

Seth G.S. Medical College & King Edward VII Memorial Hospital  
Brihanmumbai Municipal Corporation

ANNUAL REPORT  
2024

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F r o m   t h e   D e a n ' s   d e s k . . . . .



The twin institutes of the Seth GS Medical College & KEM Hospital were established in 1926 with a nationalistic spirit to cater to the “health care needs of the northern parts of the island” to be manned entirely by Indians. These institutes are among the top ranked in the city and country with the Latin maxim “*Non Sibi Sed Omnibus- not for self but for all*”, embedded in every heart.

This glorious legacy now approaches its centenary, and we will be proudly celebrating our centenary / year from Jan 2025 to Jan 2026.

In 2024, the institute pushed forward to excel and touch glorious heights. After 57 years, a multi-disciplinary team carried out a heart transplant. Liver and renal transplants also stepped up similarly. Cardiology and Cardiovascular Thoracic Surgery along with Anaesthesia carried out several complex hybrid procedures. Anaesthesia also inaugurated pain services procedures. Biochemistry received recognition to start MD in Biochemistry. NABL accreditation was awarded to three departments, and it was a proud moment for us. Clinical Haematology set up a multi-disciplinary team for Haemophilia care. Clinical Pharmacology signed a MOU with the Indian Council of Medical Research (ICMR) for recognizing the institute as a centre for Phase 1 trials for the Govt of India. Neurology saw a growth in the memory clinic and management of dementia patients. Community Medicine collaborated with the Tata Memorial Hospital to expand palliative care services. Microbiology received recognition as an ICMR center for TB diagnostics validation and MRI and CT scan services expanded with high tech machines. Faculty from many departments conducted or participated in international and national events and were awarded important orations.

A glorious paradox of an educational institute is that while the alumni grow old, the Alma Mater grows, forever young. The twin institutes would have entered their centenary when this annual report is released. A curtain raiser from 18-22 Jan 2025 will kickstart the celebrations. There several developments ongoing and several more in the pipeline. It is hoped that these developments will constructively change the institutes for betterment of patients, greater efficiency of its enormous staff and help sounder training of its students and resident medical doctors, not to forget the support staff, nursing school and her alumni.

At the end of the day, as several thousand patients walk through these hallowed portals each year with hope in their hearts, it will remain our primary responsibility to ensure that they get the best medical care from kind, caring and compassionate physicians; hands that comfort, soothe and heal. The words of Bob Dole always resonate especially at the beginning of the centenary year - “When it’s all over, it’s not who you were. It’s whether you made a difference”.

**Dr Sangeeta Ravat**

Dean - Seth GS Medical College and KEM Hospital  
January 2025



## Editor's Note...



In the first month of 2025, we are ready to embark upon yet another 12-month journey and look forward to foundation day of the institute. It is now time to take stock and look at the year that was—what was achieved, where could we improve and how we can move forward. This annual report in its individual chapters looks at the work, the teaching, the research, publications, awards, achievements and much more. While the general format of the report has remained the same, it has nonetheless chronicled the numerous achievements and changes, both minor and major that have taken place in the last year—2024. It is also a special document as it marks the beginning of the centenary celebrations (2025-26) of the twin institutes.

The experience of putting this document together has been both humbling and enlightening. A huge thank you is due to Dr Sangeeta Ravat, Dean for her faith in me, her patience, vision and tenacity of purpose. This has helped shape the document. Gratitude is also due to Dr Harish Pathak (Academic Dean), Dr Mohan Desai (Medical Superintendent) and all heads of department and staff members for sending information. The editorial team [Shruti Bhide, Gita Nataraj, Anita Mukherjee, Anjali Shah] that helped me put the report together deserves sincere thanks. Lastly, thanks are also due to the printers for the layout, formatting, and inputs in the cover design and working long hours to ensure that the report is ready on time.

While the compilation has been done over four weeks with utmost care and diligence; the sheer magnitude and diversity of the report may have led to omissions and inadvertent errors. I request the staff members to bear with me. Efforts have gone into making the document comprehensive, yet discerning. It is hoped that as one sifts through the pages, the quality and quantum of patient care, education and research and the trials and tribulations of the nameless, faceless health care worker who gave it his all during 2024 come through and we look ahead to 2025 with new hope and zest.

**Nithya Gogtay**

Editor In Chief – Annual Report 2024

January 2025



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# Seth G.S. Medical College & KEM Hospital

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# Seth G.S. Medical College & KEM Hospital

## Vital Statistics

Sr. No.	Description	2024
1	Scheduled Beds	2,250
2	Total No. of Admissions	65,728
3	Daily Average of Admissions	180
4	Total No. of New O.P.D. patients	5,82,312
5	Daily Average of New OPD patients	1,928
6	Total No. of Old O.P.D. patients	12,91,808
7	Daily Average of Old OPD patients	4,278
8	Total attendance (New & Old patients)	18,74,120
9	Daily Average of OPD attendance (New & Old patients)	6,206
10	Total No. of Surgeries	71,438
	Major	33,271
	Minor	38,167
10a	Scopies	10,008
11	Total No. of Deaths	5,691
12	Death Rate	12%
13	Total attendance in Casualty	1,47,058
14	Total No. of Medico legal cases	37,777
15	Total No. of In-patients days	5,23,440
16	Daily Average of Bed Occupancy	1430(83%)
17	Average of patients stay in ward ( In - patient )	7.96
18	Total No. of Deliveries	4,874

## Human Resources - Outline

### Nursing staff

• Matron	1
• Sr. Assistant Matrons	4
• Jr. Assistant Matron	1
• Principal	1
• Sister Incharges	104
• Sister Tutors	18
• Ward Assistants	10
• Theater Assistants – not a diff post (allotted from ward asst only)	
• Theater Superintendent	2
• Staff Nurses	896
• Student nurses	300

### Undergraduate Medical Students

• I MBBS	250
• II MBBS	246
• III MBBS (First Part)	248
• III Final year	247

### Admissions

• MD	193
• MS	091
• Diploma	001
• DM	028

### Filled posts (Clinical, Pre-clinical, Para-clinical)

• Professors	067
• Associate Professors	116
• Assistant Professors	216

### Junior Residents

• JR-I	259
• JR-II	246
• JR-III	235

### Senior Residents

• SR-I	059
• SR- II	045
• SR-III	046

### Other Residents

• House Officers	055
• Registrars	067
• Fellows	024

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# Achievements and Highlights

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# Achievements and Highlights

## Anatomy

- Body donation awareness at Dadar in February 2024
- Department organized Collaborative workshops with clinical departments.
- Faculty received continued professional development through GSMC FAIMER and FAIMER Philadelphia.
- Delivered the annual Founder Chancellor, Thiru N.P.V. Ramasamy Udayar oration in Faculty of Medicine (Non-Clinical) on “Blended Programmatic Assessment for Competency Based medical Education” for the academic year 2024-2025, held on 24th April 2024 at Sri Ramachandra Institute of Higher Education and Research (DU), Chennai.
- Faculty conducted various workshops and were appointed as panelists for national workshops.

## Anesthesia

- PAIN Procedures Services started in Designated operation Theatre in first floor Main Building since November 2024.
- Achievement of Heart Transplant at CVTS OT KEM hospital , Participated as Brain stem Death Committee in Charge 12th July 2024- Dr. Shashikant Shinde, additional professor

## Biochemistry

- Received Letter of Permission (LOP) for starting MD in Biochemistry with five PG seats
- CCBL laboratory has received NABH accreditation

## Cardiology

- Newer diagnostic modalities including cardiopulmonary exercise testing, strain echocardiography, Transesophageal Echo with 3D reconstruction, Live 3D echo, Contrast echo and perfusion imaging, Dobutamine Stress Echocardiography are now integral part of our routine patient management. In order to cater to the ever-increasing patient-load, a New 2D echo lab was conceptualized and successfully inaugurated this year with 2 AFFINITY CVx Echo machines and ergonomic echo tables facilitating better patient management.
- Several complex interventions were performed in the cath lab, including, Transcatheter Aortic valve Replacement, coarctoplasty, coarctation stenting, Renal Artery stenting, Subclavian stenting and PCI of left main coronary lesions, complex bifurcations, OCT, rotational atherectomy.
- Department performed a couple of hybrid procedures - TEVAR for Type B Aortic Dissection.
- First to perform ‘Mitra-Clip Procedure’ for Severe Mitral Regurgitation among BMC hospitals.

## Cardiovascular and Thoracic Anesthesia

- The department provided services for several complex interventional procedures in Cath Lab and cardiac OT. Several Pulmonary interventions were also done
- The department was an integral part of the Heart transplant team
- Conducted heart transplant workshop

## Cardiovascular and Thoracic Surgery

- The department was part of the successful heart transplant team
- Several complex hybrid aortic procedures were carried out in collaboration with Cardiology department
- Conducted cadaver heart transplant workshop
- Established in collaboration with Radiology center of excellence for interventions of aortic aneurysms

## Clinical Hematology

- Started multidisciplinary clinic for patients with Hemophilia
- Initiated hemophilia prophylaxis for pediatrics and trained their caregivers
- Increased number of patients in Hemophilia registry

### **Clinical Pharmacology**

- Setting up of the Indian Council of Medical Research's (ICMR) Phase I clinical trials network at the Department. Formal agreement signed on 1.5.2024 at ICMR Headquarters, New Delhi.

### **Community Medicine**

- A memorandum of understanding was done between KEM Hospital and TATA Hospital with regards to Palliative Care Services for Non-oncology patients in July 2024
- Several workshops and conferences were conducted
- Monsoon preparedness
- BMC foundation day

### **Dentistry**

- Intraoral camera and monitor installed –to detect intraoral dental and/or soft tissue disease and educate the patient.
- The Dept of Dentistry was part of the training programme for the African Delegation that visited Mumbai as part of the Multidisciplinary Training conducted by HFI and WFH.

### **Dermatology**

- Conceptualized and performed a novel, cost effective and durable technique of fat grafting for filling limited areas.
- Introduction of non-surgical face lift using absorbable polydioxanone cog threads.
- Intralesional radiofrequency ablation for hypertrophic port wine stain (capillary malformations)
- Intralesional vitamin c and tranexamic acid for melasma and perioribital hyperpigmentation
- Provision for fat grafting.

### **Endocrinology**

- Dr Tushar Bandgar was awarded P N Shah oration at ESICON 2024 and the Dr SPS Teotia Oration at ISBMR 2024.
- Dr. Rohit Barnabas has been honored with the AR Sheth Award by the Endocrine Society of India
- Dr Manjiri karlekar has been honored with the Yuvaratna Award 2024 at the Yuvacrinology Conference by the Endocrine Society of India

### **ENT**

- Department organized 7 CMEs and Temporal Bone Dissection Workshop for Cochlear Implant training.
- Conducted IMMAST Sialendoscopy Workshop
- **Organised International Otology Live surgical workshop**

### **Forensic Medicine and Toxicology**

- Dr. Harish Pathak received an award of Fellowship of Indian Academy of Forensic Medicine for his exemplary work in field of Forensic Medicine.
- Dr. Ravindra Deokar received an award of Excellence at Annual Conference of MLAM-Forensicon 2024
- Inauguration of Special Cold Storage Facilities for Facilitating Cadaver Retrieval Training Workshops.
- Inauguration of Cadaver Laboratory for Cadaver Retrieval workshop in
- Collaboration with ROTTO-SOTTO Mumbai.

### **Gastroenterology**

- Chosen as centre for training in hepatology- Interventional radiology fellowship by INSAL
- Successfully restarted liver transplantation
- Third space endoscopy services in the form of POEM procedures and ESD procedures.
- Enteroscopy procedures with collaboration with Olympus.
- Started dedicated pancreas registry and IBD registry with advanced therapy protocols

### **General Surgery**

- Several workshops and conferences were conducted
- The department also hosted two international trainees



## **Medicine**

- The department has been part of team for Organ Donation from MICU leading to 1st successful Heart Transplantation in Public Hospital on 11.07.2024.
- Dr. Milind Nadkar has been appointed as President of Association of Physician of India.
- Palliative care OPD Services on Thursday 8:30-10:30 AM in collaboration with Department of Community Medicine and Palliative care department, Tata Memorial Hospital started in April 2024.

## **Microbiology**

- Mycobacteriology division of Department of Microbiology has been designated as a part of “ICMR- TB diagnostics validation center” by ICMR.
- VRDL division of Department of Microbiology has been designated and funded as an EQAS provider for Respiratory viruses ( Sars CoV2 & Influenza) pan INDIA under the project ‘Enhancing Infectious Disease Diagnosis Quality: External Quality Assurance Program’ by ICMR.
- Microbiology successfully renewed NABL accreditation as per the new standard ISO 15189:2022 which is valid till 2nd May 2026. Coordinated NABL accreditation for the Departments of Pathology and Clinical Biochemistry

## **Neonatology**

- The department is recognized as the regional “Regional Collaborative Center for Facility Based Newborn Care” under National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India.
- Renewal of Neonatal Palliative Care project for the third successive year in collaboration with Tata Memorial Hospital, under aegis of Cipla Foundation since January 2022 with approval from BMC.
- Establishment of antenatal and postnatal follow up services for mothers and neonates under Neonatal Palliative care project.
- Availability of financial aid to parents for critical investigations essential for neonatal care and management under the Neonatal Palliative Care project.
- Provision for nutritional supplements to mother in collaboration with Matruchhaya foundation.

## **Nephrology**

- 28 Live related renal transplants and 7 deceased donor renal transplants were performed
- Continuous Renal Replacement Therapy (CRRT) was introduced as a modality to support critically ill patient
- CAPD programme of home dialysis treatment was included in MPJAY govt insurance scheme
- Glomerulonephritis registry enrolled 544 patients

## **Neurology**

- Dr. Sangeeta Ravat was elected as president of Indian academy of Neurology 2024-2025.
- 729 epilepsy surgeries were successfully completed
- Memory clinic saw and treated 290 patients for dementia

## **Neurosurgery**

- Endoscopic neurosurgical interventions and operations started in KEM in 2024, with the most latest and advanced endoscope.
- Minimally invasive endoscopic approach helps the patients immensely.
- Mechanical Thrombectomy for STROKE.

## **Nuclear Medicine**

- The department added F-18 NOTATATE scans for diagnosis of Neuroendocrine tumors
- Several novel research studies were initiated

## **Obstetrics and Gynecology**

- Several workshops were conducted throughout the year. Residents won prizes in local and national conferences

### Occupational Therapy

- The department specialises in helping patients regain functional independence in daily living activities after illness, injury, or disability.
- It caters to individuals across the lifespan, from paediatrics to geriatrics

### Ophthalmology

- New Modular Operation theatre with 4 beds fastening the waiting period and better care.
- New Lecture Room in Ward for various Undergraduate and postgraduate studies.

### Orthopedics

- Department of Orthopaedics “In search of excellence” has protocolled the patient management in subspeciality of spinal surgery, arthroplasty and arthroscopy.
- The department has taken an active part in conducting various academic activities and workshops in the year 2024.

### Pathology

- NABL Accreditation for Hematology-Clinical pathology and cytopathology laboratory.
- Automated Laboratory information system for dispatch of printed reports of hematology.
- Started immunofluorescence microscopy for kidney biopsies.
- Upgradation of Pathology class with mounting of specimens for teaching.
- Upgradation & Automation of the Emergency Medical Laboratory Services, Surgical & Autopsy histopathology, Cytology, Hematology & Clinical Pathology and Out-patient Department for better services and timely delivery of reports.
- Upgradation of Immunohistochemistry (IHC) with total of 80 antibodies.
- Acquired slide scanner facility - 1<sup>st</sup> in MCGM hospitals.

### Paediatrics

#### 1A. Patient Care:

- Dr. Sunil Karande: Member of the PCPNDT Advisory Committee of the Brihanmumbai Mahanagar Palika (BMC), Family Welfare Unit, Public Health Department, Mumbai.
- Dr. Sunil Karande: Member of the District Medical Board for Surrogacy Act of the BMC, Family Welfare Unit, Public Health Department, Mumbai.
- Dr. Sunil Karande & Dr. Milind S. Tullu: Members of Expert Committee for initiation of Antimicrobial Stewardship Program (ASP) at Seth G.S. Medical College & KEM Hospital.
- Dr. Sunil Karande, Dr. Mamta Muranjan, Dr. Milind S. Tullu & Dr. Jane David : Faculty Mentors in the “Student Dostii Program” for supporting undergraduate students of Seth G.S. Medical College; Program conceived by Dean Dr. Sangeeta Ravat Madam and run by Department of Psychiatry with help of newly appointed counsellors.
- Dr. Mamta Muranjan: Nodal officer for rare diseases for KEM Hospital Center of Excellence for rare diseases notified by Ministry of Health & Family Welfare, Government of India.
- Dr. Mamta Muranjan: Member of Central Technical Committee on Rare Diseases (CTCRD) of Directorate General of Health Services, Ministry of Health & Family Welfare, Government of India.
- Dr. Mamta Muranjan: Member of expert group on storage disorders under National Consortium for Research and Development on Therapeutics for Rare Diseases (NCRDTRD).
- Dr. Mamta Muranjan: Member of the Causality Assessment Committee for adverse drug reactions of the Department of Clinical Pharmacology, KEM Hospital under the auspices of the Pharmacovigilance Program of India.
- Dr. Mamta Muranjan: Member Executive Committee, Indian Society for Inborn Errors of Metabolism (ISIEM), 2023.
- Dr. Mamta Muranjan: Member of selection committee for selection of Assistant Professor in Department of Medical Genetics, Sanjay Gandhi Postgraduate Institute of Medical Sciences, 3<sup>rd</sup> June 2024.
- Dr. Mamta Muranjan: Member of selection committee for promotion for posts of Additional Professor and Professor in Department of Medical Genetics, Sanjay Gandhi Postgraduate Institute of Medical Sciences, 5<sup>th</sup> January 2024.
- Dr. Mamta Muranjan: Invited participant for Niti Ayog meeting for distribution pathways for newly approved drugs for select rare diseases, 11<sup>th</sup> January 2024.

- Dr. Mamta Muranjan: Member, Institutional Ethics Committee of Seth GS Medical College & KEM Hospital up to August 2024.
- Dr. Milind S. Tullu: Incharge of Pediatric Intensive Care Unit (PICU) & Pediatric Chest Clinic (PCC) at Seth G.S. Medical College & KEM Hospital.
- Dr. Milind S. Tullu: Member- KEM Telemedicine Center Committee (since July 2010).
- Dr. Milind S. Tullu: Member of Local College Committee on “Implementation of Telemedicine for Medical Education” (“National Medical College Telemedicine Network”- Project of Government of India to link all Medical Colleges by using Telemedicine for Improving Medical Education).
- Dr. Milind S. Tullu: Member of Central Core Committee & Departmental Co-ordinator for transfer of medical equipment (with their re-installation), other materials/ accessories and consumables (from NESCO I & II, Kanjurmarg, BKC and other Jumbo COVID centres) to KEMH and Department of Pediatrics.
- Dr. Milind Tullu: Worked for clinical care and administrative duties during MARD (RMOs) strike (13<sup>th</sup> to 22<sup>nd</sup> August 2024).

#### *1B. Education:*

- Dr. Mamta Muranjan: Co-ordinated Mucopolysaccharidosis Master Class 2.0 (2024) with invited foreign faculty Dr. Maurizio Scarpa (Head Lysosomal Unit, Department of Pediatrics, University of Padova, Italy) in the Department of Pediatrics, KEM Hospital on 10th July 2024.
- Dr. Mamta Muranjan: Co-ordinated training in administration of Enzyme Replacement Therapy (ERT) for Pediatricians and nursing staff of ESIS Kandivali Hospital , 6th April 2024.
- Dr. Milind S. Tullu: Departmental Coordinator for MUHS Fellowships Renewals & Inspections (in Pediatric Intensive Care, Pediatric Neurology, & Epilepsy and Clinical Genetics).
- Dr. Milind Tullu: Departmental Co-ordinator for training and supervision of second year MD Palliative Medicine Resident Medical Officers posted from Tata Memorial Hospital for clinical experience in subject of Pediatrics.
- Dr. Milind S. Tullu: Annual report compilation (and also submission of other information related to the Department of Pediatrics asked for by various academic/ research/ administrative agencies—DST, SIRO, DJST, BMC head office, NABH etc.) for the Department of Pediatrics, Seth G.S. Medical College & KEM Hospital.
- Dr. Milind S. Tullu: Updated Departmental Data on Library Holdings.
- Dr. Milind S. Tullu: Co-ordinated PG Academic Teaching Activities of Department of Pediatrics, Seth GSMC & KEMH (Case Presentations, Friday Clinical Meeting Discussions, Interesting Case Discussions, Guest Lectures/ Other Interdepartmental Discussions, Ward/ PICU Statistics, etc).
- Dr. Jane David: Completed BCBR training done September 2024.
- Dr. Shrikant Jamdade: Secured ‘Fellowship in Clinical Genetics’ (MUHS) by clearing examination in March 2024.

#### **Pediatric Anesthesia**

- Use of ultrasound incorporated for accurate placement of central lines, PICC and Groshong lines.
- Central Line care bundle introduced to prevent catheter related bloodstream infection.
- Continued involvement in intrathecal injection of the drug Spinraza in children with Spinal muscular atrophy as part of National project in conjunction with the Department of Paediatrics, KEM Mumbai.

#### **Pediatric Surgery**

- Fellowship course in pediatric surgery for newborns and children was started by the department

#### **Pharmacology and Therapeutics**

- Faculty members and postgraduate students bagged 11 awards for oral paper, poster presentations and quiz at different national/regional conferences held this year.
- PHARMASTEER 2024, a national online orientation programme in medical affairs function was conducted for postgraduate medical students, on 4 days in the months of November and December 2024 as a part of the academia-industry collaboration between Department of Pharmacology & Therapeutics and Astra-Zeneca.
- Three local workshops and one regional workshop on GCP, research ethics and regulations in clinical trials were conducted by the department.

## Physiology

- Staff members of the department were invited as Guest speakers in the field of Physiology, Medical Education and Bioethics.
- The staff members of the department are also involved in various research activities both in Physiology and in Medical Education

## Physiotherapy

- Inclusion of Seth GSMC & KEMH in International Cardiac Rehabilitation registry
- Well Equipped Cardiopulmonary Rehabilitation Centre setup at CVTC Room no 16.( includes Treadmill, cycle ergometer, multigym, respiratory strength measurement device, cardioscope and monitoring facility for fitness assessment, post covid ,cardiac and pulmonary patients)
- Department runs rehabilitation services for conversion disorders,
- Neurorehabilitation (adult and Paediatric)Resumption of Parkinson's class post-pandemic, Installation of new wall bar in room 3 PT OPD.
- Musculoskeletal Physiotherapy Services with special hand OPD
- Pathological Amputation patients
- Early inpatient Rehabilitation of Gullian Barre syndrome patients admitted to ICU
- Rehabilitation of post-operative cancer patients (Mastectomy)

## Plastic Surgery

- Partnership with 'ReSurge reconstructive surgery International', to benefit post burn contracture and reconstructive surgery patients (including pressure garments and splints). Total benefited patients in the year 2024 are 58 Patients.

## Psychiatry

- Mental health awareness week was conducted from 4-10 Oct 2024
- Tobacco cessation clinic was upgraded in colloboration with Bajaj Electrical Foundation.
- Schizophrenia awareness was conducted in colloboration with Ali Yuvar Jung Institute
- Disability camp was conducted along with BMC education department

## Pulmonary Medicine and EPRC

1. Sequential whole lung lavage for alveolar proteinosis: Interventional Pulmonology team along with cardiovascular anaesthesia team carried out a successful whole lung lavage for a patient with Pulmonary alveolar proteinosis, a rare condition with an estimated prevalence of about 1-2 per million people.
2. Installation of Endobronchial Ultrasound (EBUS) in Department of Pulmonary Medicine- convex probe and radial EBUS (first in BMC). Increased diagnostic yield- 80%
3. Balloon dilatation with controlled radial expansion for patients with tracheal stenosis was undertaken as a part of interventional pulmonology services
4. Forced oscillation technique is offered to patients with airway disorders for testing airway resistance and reactance without undertaking forceful manoeuvres.

## Radiology

- Radiology Department has the latest and sophisticated 1.5 Tesla MRI, two CT Scan machines (64 slice and 160 slice), Mammography (for Breast Cancer Screening), Digital Fluoroscopy, Ultrasonography and Doppler machines.
- Peripheral Vascular and Neurovascular Minimally Invasive Interventions are carried out on a Bi-planar DSA machine. Conventional imaging is carried out on 5 Digital Radiography (DR) units as well as on Computed Radiography (CR) units.
- Facility for Radiofrequency Ablation (RFA) of tumors is available here. Endovenous Laser Therapy (EVLT) is done here to treat patients with varicose veins. Facility of DR Fluroscopy for Barium study exists.
- Two High End Digital Radiography X-ray (DR) and Six Computerized Radiography X-ray (CR) machines have been installed this year.

### **Surgical Gastroenterology**

- 1 Dr Chetan Kantharia was Elected as President of Indian Chapter of IHPBA
- 2 Dr Ramkrishna Prabhu was appointed as Secretary of ROTTO-SOTTO.

### **Transfusion Medicine**

- Automated ELISA processor available in the department for testing of Transfusion Transmissible Infections.
- Technologists in the department are trained in Component Preparation and plateletpheresis.

### **Urology**

- The department procured an OPD ultrasound and nephroscope for patient care through CSR donations.



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# Awards and Honors

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# Awards and Honors

## Anatomy

- Dr. Ashish Waghmare bagged third prize in the poster presentation competition conducted by Department of Ophthalmology, Seth GSMC on “Eye Donation Programme”.

## Anesthesia

- Dr. Yogita Patil Third prize at ISACON 2024 Under individual category for promotion of Compression Only Life Support” at national conference of Indian Society Of Anaesthesiologists.
- Dr Sanjeevani Zadkar- 2nd prize in Quiz held at MASCON 2024
- Dr Shraddha Devrukhkar: Faculty & winner of pro-con session at YUVAMAHACON 2024 by ISA Borivali
- Dr Uma Kamat :Faculty & winner of Pro-Con Session at YUVAMAHACON 2024 By ISA Borivali
- Dr. Rekha JR2- 1st prize in poster presentation in YUVAMAHACON 2024 By ISA Borivali.
- Dr. Amala Kudalkar as president of ISA Mumbai metro branch -Received 5 awards in national conference for ISA, Mumbai Metro Branch .
- Dr Ayesha Sadaf Won 3 rd prize in Poster presentation at MASCON 2024
- Dr Rihana, Dr Sejal Parekh, Dr Rajeev Kannur, Dr Shourya Bhosale, Dr Chaitali Won consolation prizes in Poster Presentation at MASCON 2024,
- Dr. Rajeev Kannur Won 2nd prize in the ‘Airway Quiz – Kaun Banega Airway Champ?’ held on 7th December, 2024 during the TMC National Conference ‘The Difficult Airway’ at TATA Memorial Hospital, Mumbai.
- Dr Maitri Shah Won 2nd prize in Poster Presentation held at TMH, TMC\_DAC conference on 7th December 2024.

## Biochemistry

- The Department of Biochemistry at the CCBL Laboratory has been accredited by NABL (National Accreditation Board for Testing and Calibration Laboratories). This accreditation recognizes the lab’s commitment to maintaining high standards of quality and precision in its testing and analytical processes.

## Cardiovascular and Thoracic Anesthesia

- Dr Deepal Tempe and Dr V Shetty have joined the department as additional faculty.
- After 57 years heart transplant was performed in collaboration with other departments.

## Cardiovascular and Thoracic Surgery

- After 57 years, another heart transplant was performed at the department as a collaboration with several other departments

## Clinical Pharmacology

- A MOU was signed with the Indian Council of Medical Research recognizing the department as a Phase I trial center as part of a Govt of India network of centres

## Community Medicine

- Recognition of Achievements at the 5th IAPSM Young Leaders’s National Conclave 2024. The winners of the IAPSM YLNC and their mentors were praised for their outstanding achievements. The lists of winners are as follows:
- Best Poster presentation Dr. Anamika Prashant (JR 1)
- Best Poster presentation Dr. C. Maria (JR 2)
- 1st place - “Reel It for Health” Competition(Cash prize of 10,000₹ ) Dr. Vaibhavi Ghadi (JR2) & Dr. Aparna Rode (JR 2)
- Winning team - Young Leaders’ Parliament (Cash Prize of 10,000₹ ) Dr. Anamika Prashant (JR1)
- Best Speaker in Opposition team - Young Leaders’ Parliament(Cash Prize of 5000₹) Dr. Gaurav Naik (JR 2)
- 2nd place in Policy Pitchers (Cash Prize of 5000₹) Dr. C. Maria (JR 2) & Dr. Anamika Prashant (JR 1)
- Mr 5th IAPSM Young Leaders’s National Conclave 2024(Title winner) Dr Jatin Prakash (JR 2)
- Best Innovation Award in Innovation and Ideas - The Think Tanks competition, organised by Armed Forces Medical College, Pune, Cash Prize (₹20000) - Dr. Anamika (JR1)

- First Prize in Policy Making Hackathon held on the occasion of World Breastfeeding Week Celebration 2024 at UCMS Delhi - Dr. Anamika (JR1) and Dr. C. Maria (JR2)
- First Prize in Slogan Writing Competition: Nourish with Words, held on the occasion of World Breastfeeding Week Celebration 2024 at UCMS Delhi - Dr. Anamika (JR1)
- Third prize in Slogan Writing Competition: Nourish with Words, held on the occasion of World Breastfeeding Week Celebration 2024 at UCMS Delhi - Dr. Vaishnavi (JR1)
- First Prize in intercollege Debate Competition in Aarogyam 2.0 held on the occasion of World Health day organised by Hindufridaysamrat Balasaheb Thackeray Medical College and Dr. R.N. Cooper Municipal General Hospital, Mumbai - Dr. Tanvi (JR3), Dr. Lokesh (JR3), Dr. Gaurav (JR2), Dr. Anamika (JR1)
- Second Prize at Reel Making Competition: Nourish and Flourish, held on the occasion of World Breastfeeding Week Celebration 2024 at UCMS Delhi - Dr. Anamika Prashant (JR1) and Dr. Rahul Sharma (JR1)
- Third Prize in IAPSM Blog Writing competition 2024 - Dr. Anamika (JR1)
- Dr. Rupali Sabale received Dr A N Supe Best Published Paper Award in 2024 for the paper & ;CoviSainik Program - A Novel Public Private Partnership Initiative in the Control of COVID-19 in Rural India. Indian J Community Med. 2023 Nov-Dec;48(6):894-901. doi: 10.4103/ijcm.ijcm\_139\_23. Epub 2023 Dec 1. PMID: 38249711; PMCID: PMC10795870.

### Dentistry

- The Dept of Dentistry was part of the training programme for the African Delegation that visited Mumbai as part of the Multidisciplinary Training conducted by HFI and WFH

### Dermatology

- Dr. Dipali Rathod received Presidential award in Dermacon 2024, Hyderabad.
- Dr Payal Choithani bagged 2nd prize in PIGMENTARYCON QUIZ 2024, PIGMENTARY, Mangalore
- Dr Payal Choithani won 2nd prize in CUTICON Quiz 2024 MAHARASHTRA, Mumbai
- Dr Payal Choithani Received FUE Asia International Scholarship 2024 in Hair Revolution session
- Dr Gauri Chikhalkar won 1st prize in award paper presentation at the International FUE -Asia Conference, 2024
- Dr Gauri Chikhalkar won 1st prize for award paper presentation in Stalwarts of Dermatology Conference ,2024
- Dr Gauri Chikhalkar Awarded with scholarship in Young Turks session for International Hair FUE -Asia Conference, 2024
- Dr Gauri Chikhalkar has been Zonal Topper in Torrent Young Scholar Award for the year 2024
- Dr Gauri Chikhalkar won 2nd prize in CUTICON Quiz 2024 MAHARASHTRA, Mumbai

### Endocrinology

- Dr Ketki Ambulkar won First prize in poster presentation at Endo Update 2024 at Lucknow.
- Dr Ketki Ambulkar Second prize in EEP case presentation at Kolkata.
- Dr Divya Ragate won Third prize in poster presentation at ISBMR 2024.
- Dr Aditya Daga won Prize for Paper presentation at Endo Update 2024.
- Dr Aditya Daga won First Prize in Quiz at ESICON 2024.
- Dr Archana Rao won First Prize in oral presentation in POEMS 2024.
- Dr Archana Rao won First Prize in Quiz at ESICON 2024.
- Dr Chandramouli won First prize in Oral presentation at POEM 2024.
- Dr Anuj Ban won 3rd Prize in Oral Presentation at ISBMR 2024.
- Dr Anuj Ban won first Prize in Quiz at ESICON 2024.
- Dr Anand Zhope won TYSA Diabetology 2023 award in Jan 2024.

### ENT

- Dr Anoushka Sahai won 1st prize in the Dr A.R.Bhide Memorial Consultant Award Paper for the paper titled “Endoscopic Approach to Pediatric Encephaloceles: Our Experience ” at Maharashtra State Conference MENTCON2024 organised in Solapur (13-15th December).

- Dr Anoushka Sahai 1st runners up in Junior Consultant Paper Award category in RHINOCON 2024 (22-24th November 2024 Mumbai). Presented the paper titled “Endoscopic Approach to Paediatric Meningoencephalocele: Minimizing Risk, Maximizing outcome”.
- Dr. Rutvi Patel won 1st prize in the Dr Arvind Soni Video Award session, RHINOCON 2024 (22-24th November 2024 Mumbai). Presented the video titled “Sealing the breach- frontal CSF leak repair with combined approach”.
- Dr. Monankita Sharma received Dr. MV Kirtane Excellence Award for Academic excellence for postgraduate student of ENT department (2024)
- Dr. Monankita Sharma received Dr. (Mrs) Pushpa Paralkar & MR. Suresh Paralkar Award for the Best lady resident in surgical subspecialty
- Dr. Monankita Sharma received 1st prize in All India Recent Advances Quiz organized by WAOI held on 21st January 2024.
- Dr Juilee Kamble won 1st prize in the paper presentation competition at the International Otology workshop (IOW) 2024 for the paper - ‘Surgical intricacies of Cochlear implant in syndromic patients’.
- Dr Prateek Mohapatra won the 2nd prize in the Paper Presentation Competition at the International Otology Workshop (IOW) 2024 for the paper “Sensorineural Hearing Loss following Mumps-Our experience”
- Dr Davish Gupta won 1st prize in RHINOCON 2024 for the paper “Sinonasal mass mysteries -decoded”.
- Dr. Davish Gupta and Dr. Huneeti Vira Received first prize in RHINOCON 2024 for a quiz competition .
- Dr Aishwarya Gaikwad won second prize in E-Poster presentation PG competition at ENT live for topic “Single sided deafness: our experience”.
- Dr. Monal N Chordiya won the 3rd prize in the Poster Presentation Competition at the International Otology Workshop (IOW) 2024 for the Poster “Tubercular Otitis Media with Facial Palsy”.

### **Forensic Medicine and Toxicology**

- Dr. Neelkamal Battu has been awarded Best Scientific Presentation in 21st National Conference of Indian Association of Forensic Odontology at Tagore Dental College, Chennai.
- Dr. Shriya Sharma has been awarded 1st Price for Poster Presentation in conference of Forensic Medicine & Toxicology 2024.

### **Gastroenterology**

- National- F P Antia best paper award for “Gonadal dysfunction in male patients with Budd Chiari syndrome and its reversibility with treatment”.

### **General Surgery**

- Dr Varsha Kulkarni -Post graduate diploma in medical law and ethics - from National Law School University Bengaluru
- Dr Aparna Deshpande- First prize for presentation of research at Association of Medical Women of India - “Perception about obesity in obese patients presenting to a tertiary healthcare facility for other medical conditions - A knowledge, attitude, practices study
- Dr Shilpa Rao- ASICON 2024 - Dr Santok Singh Anand Endowment Lecture
- Dr Akhilesh Moktali -WCES-IAGES 2024 - Best Paper -Video Presentation on Transabdominal Right Adrenalectomy
- Dr Ramanarayanan - 1<sup>st</sup> Prize Paper presentation, Dr Shirin Mehtaji Paper Presentation Competition
- Dr Ashish - 2<sup>nd</sup> Prize Paper presentation, Dr Shirin Mehtaji Paper Presentation Competition
- Dr Saurabh Munda-Won the first Prize in Maharashtra State level General Surgery quiz at Nagpur.
- Dr Dwij Vyas- Received the best paper award in AMASI.

### **Medicine**

- Dr. Santosh Salagre has been awarded Dr A N Supe Best published paper award for the original research work in the field of Medicine for an article published in PubMed Indexed Journal JAPI
- Dr. Archana Sonawale won 3rd prize to student Sobiya paper presentation MAHACRITICON 23 –Study of Etiology and complications of Jaundice in Pregnancy.
- Dr. Archana Sonawale 3rd prize to student Natasha poster presentation – MAPCON 23 – A prospective observational study of proportion, clinical characteristics and outcome of foot involvement in RA.

### Microbiology

- Dr Ranjana Thate -received the best oral paper in virology at the 28th Maharashtra State Chapter conference of IAMM (MAHAMICROCON 2024) at Dhule, Maharashtra.
- Dr. Gaurang Chaudhary received – 1st Prize in poster presentation and 2nd prize in quiz at the Maharashtra State Chapter of Indian Academy of Tropical Parasitology (MAHATROPACON 2024) organized by Dept. of Microbiology, AIIMS –Nagpur.
- Dr. Rhea Solanke received- Best poster in bacteriology and also 2nd prize in PG quiz in 28th Maharashtra State Chapter conference of IAMM (MAHAMICROCON 2024) at Dhule , Maharashtra.
- Dr. Swathi Nair received - Prize-1st prize in 520th Teaching Pathologists and Microbiologists conference at Lokmanya Tilak Municipal Medical College & General Hospital, Mumbai.

### Neonatology

- Dr. Shweta Mhatre was awarded second prize in poster competition held in 15th Annual Conference of IAP Neonatology Chapter, Odisha
- Dr Shweta Mhatre and Dr Abhilasha Gupta were awarded First Prize in National Quiz conducted by IAP Neocon 2024 held at Bhubaneswar, Odisha

### Nephrology

- Dr. Sayali B. Thakare presented an oral paper and won the Best Abstract Award at the Asia Pacific Society of Nephrology (APCN), Seoul, South Korea in June 2024

### Neurology

- Dr. Sangeeta Ravat took over as President of Indian Academy of Neurology at IANCON 2024 held at Vishakhapatnam.
- Dr.Sangeeta Ravat delivered Oration at NSI, Kolkata on 20th December 2024.
- Dr Neeraj Jain: Continued as secretary of Maharashtra Association of Neurology.

### Obstetrics and Gynecology

- Dr. Aditya Nimbkar bagged 1st prize - TOGS' annual conference 2024 and 3rd prize - AFGCON 2024.
- Dr. Madhavi Baheti won 1st prize at poster presentation Prudentia at KJ Somaiya Medical College 2024.
- Dr. Sai Shailusha Gutti won 2nd prize at poster presentation Prudentia at KJ Somaiya Medical College 2024.
- Dr. Dhruvi Shah won 1st prize in poster presentation at AFGCON 2024.
- Dr. Sankrutee Inamdar won Poster presentation 3rd prize - AFGCON 2024.
- Dr. Sayali Sabnis won 1st prize in paper presentation at Hridaya at Terna Medical College and 2nd prize in paper presentation at TOGS' annual conference 2024.
- Dr. Prathamesh Mashere won 2nd prize at poster presentation as AFGCON 2024
- Dr. Ratnali Kulkarni won 2nd prize in paper presentation at FEMTEKK IV.
- Dr. Neeta Sonar won 2nd prize in paper presentation at 52nd MOGS Annual conference 2024.
- Dr. Raksha Kandoi won Smt Nirmala Kanitkar smruti sanman award for best dissertation award 2024.
- Dr. Karishma Gogada won Best paper presentation in Gynecology in TOGS 2024.

### Occupational Therapy

- Shubangi Banker, Nandgaonkar Hemant, Haribalkrishna Anitha, Prashant R, Medha (November 2024), Recipient of the Best Scientific Paper titled Adherence to developmentally supportive care: a memory-based approach versus a mobile app-based approach, Awarded by the Association of Neonatal Therapists at the 6th Annual National Conference held in Mumbai.
- Monisha Popali (4th December, 2024) Recipient of Second prize Inter-Institute Case Presentation at 11 th Dr. A.P. TOLE Educational Programme celebrating “World Occupational Therapy Day” organized by TATA Memorial Hospital, Occupational Therapy Department.
- Richa Dewani (15th october 2024) recipient of 1st prize of All India poster competition at National Institute of mental health and neurosciences (NIMHANS) - Mental Health sathe 3.0 - in Bangalore celebrating world mental health day.
- Nidhi Mishra won the trophy for best poster presentation in the professional category at the 6th Annual Neonatology Conference held at the Mumbai YMCA, Mumbai Central, from November 16th to 18th, 2024.

- Nidhi Mishra and Anchal Nagpure won II runner up inter Institute Poster presentation at 11<sup>th</sup> Dr. A.P. Tole Educational Programme Celebrating “World Occupational Therapy Day” at Tata Hospital, on 3<sup>th</sup> to 4<sup>th</sup> Dec 2024.

## Ophthalmology

- Dr. Miti Bhatt: Poster 1<sup>st</sup> prize, Women’s Ophthalmology Society Conference in Oct 2024
- Dr. Iti Jain: Paper 2<sup>nd</sup> prize, Women’s Ophthalmology Society Conference in Oct 2024
- Dr. Bhakti Gade: Best Resident Award 2024.

## Orthopedics

- Dr. Deepika Jain awarded the SICOT foundation fellowship award for young ortho surgeons to attend and present papers at SICOT .
- Dr. Prateek Thorat & Dr. Amol Tore stood second at national quiz in Spine at ISIC New Delhi.

## Pathology

- 1<sup>st</sup> Prize for Paper presentation at MAPCON Nagpur on “Multiple congenital anomalies in children: an autopsy study” – presented by Shagufta Khan Co-Authors Rinku Chavan, Pragati Sathe, Pradeep Vaideeswar
- 2<sup>nd</sup> Prize for Paper presentation at MAPCON Nagpur on ‘Fine Needle Aspiration Cytology of Cutaneous Adnexal Tumors - Navigating a Field Full of Landmines!’- presented by Dr Mrunal Tillu Co-Authors: Abhishek Gawande, Mona Agnihotri, Kanchan Kothari, Leena Naik
- 2<sup>nd</sup> Prize for poster presentation at APCON 2024 – “46,XY Complete Gonadal Dysgenesis with Synchronous Burnt-out Gonadoblastoma and Malignant Ovarian Germ Cell Tumor” presented by Dr Viraj Naik Co-Authors - Gwendolyn Fernandes, Amey Rojekar, Melody Fernandes
- 4<sup>th</sup> Prize for poster presentation at APCON 2024 – “Glandular cardiac myxoma” presented by Shweta Bansode, Co-Authors - Pradeep Vaideeswar

## Paediatrics

### *International:*

- Jha J, Marathe P, Kamath S, Abhilash S, Tullu MS, Karande S. A Cross-Sectional Observational Study to Assess Prescription Pattern, Awareness of Parents Regarding Disease and Use of Antimicrobial Agents and Cost of Treatment in Children Admitted in a Tertiary Care Hospital. 14<sup>th</sup> International Annual Conference of South Asian College of Clinical Pharmacology – American College of Clinical Pharmacology (SAC-ACCP) at Hyderabad from 4<sup>th</sup> to 6<sup>th</sup> January 2024. [The poster was awarded the prestigious “Dr. R.D. Kulkarni Award” as Third Prize for Clinical Poster Presentation].

### *National:*

- Khedekar S, Lachake A, Pichad N, Sathe P, Tullu MS, Karande S. Unlocking the Castleman Code: A Journey Through Unknown. 6<sup>th</sup> WZ PEDICON with 34<sup>th</sup> MAHAPEDICON 2024 (Annual Conference Maharashtra State IAP) conducted by Academy of Pediatrics, Nagpur held at Hotel Le Meridian, Nagpur from 17<sup>th</sup> to 20<sup>th</sup> October 2024 [Poster was awarded the Second Prize].
- Pichad N, Kaur P, Muranjan M. Unraveling the Mystiques of Niemann Pick Disease : A Race against Time. 21<sup>st</sup> ICMR Course on Medical Genetics and Counselling, Lucknow. 29<sup>th</sup> July 2024- 10<sup>th</sup> August 2024. This poster was awarded Second Prize.

### *State:*

- Bagal S, Koyande S, Thomas R, Vaswani RK, David J, Mundle D. Progressive Familial Intrahepatic Cholestasis (PFIC)-7: A Rare Chronic Liver Disease. MUHS MARDCON 2024 at Grant Government College and Sir JJ group of Hospitals, Mumbai from 15<sup>th</sup> to 17<sup>th</sup> June 2024. The poster was awarded second prize.
- Somani S, Muranjan M, Jamdade S. Wolf in a sheep’s clothing. 6<sup>th</sup> west zone Pedicon with 34<sup>th</sup> Mahapedicon organized by Academy of Pediatrics, Nagpur at Hotel Le Meridian, 17 – 20 October 2024. Awarded 3rd prize for poster presentation.

### *College:*

- Dr. Milind Tullu: Awarded the Dr. A.N. Supe Best Published Paper Award- 2023 for the paper entitled “Causes and Risk Factors for Unscheduled Readmissions in the Paediatric Ward of a Major Public Hospital” [Authors: P Keerthi Kundana, Mukesh Agrawal M, Milind S. Tullu, (Corresponding Author), Ankita A. Kulkarni] published in the Indian Journal of Medical Research

### Paediatric Anesthesia

- International award was conferred the prestigious European Diploma in Anesthesia and Intensive Care in 2024 in Glasgow to Assistant Professor Dr Amrit Kaur.
- Dr Uditi Parmar won 1st prize for poster presentation, 'Optic nerve sheath diameter for estimation of raised ICT in children undergoing laparoscopies' at the IAPA National Conference 2024 in Noida.
- Dr Gayathri P) won 1st prize for best Video on ultrasound guided caudal block in a child at the IAPA National Conference 2024 in Noida.
- Dr Annu K won 3rd Prize in poster presentation in TMC-DAC 2024 on 8th Dec 2024 for poster entitled "AMBU AURA Gain and a Hybrid airway technique – A game changer to identify H type Tracheoesophageal fistula

### Pharmacology and Therapeutics

- Dr. Arun Sanghani 1st prize for preclinical oral paper presentation awarded to Dr. Soham Sinha, Dr. Sandhya Kamat for the study entitled "Evaluation of antiepileptic effect of N-acetyl cysteine in Pentylentetrazole induced kindling model in Wistar rats" at the South Asian Chapter of American College of Clinical Pharmacology (SAC-ACCP) held at Hyderabad in January 2024.
- 1st prize for oral paper presentation awarded to Dr. Achal Sukhdeve , Dr. Yashashri Shetty, Dr Mukesh Chawda for the study entitled "Evaluation of the effect of Commiphora Wightii and Asthiposhak in Experimental Rat Model of Osteoarthritis." at 10th World Ayurveda congress & Arogya Expo held at Dehradun on 12th Dec 2024

#### Poster Presentation

- R.D. Kulkarni 3rd prize for clinical poster presentation awarded to Dr. Jagriti Jha, Dr. Padmaja Marathe, Dr. Sandhya Kamat, Dr. Milind Tullu, Dr. Sunil Karande, Dr. Abhilash S for the study entitled "A Cross-Sectional Observational Study to Assess Prescription Pattern, Awareness of Parents regarding Disease and Use of Antimicrobial agents and Cost of treatment in Children Admitted in a Tertiary Care Hospital" at the South Asian Chapter of American College of clinical Pharmacology (SAC-ACCP) held at Hyderabad in January 2024
- 2nd prize for poster presentation awarded to Dr. Vrushali Navale and Dr Padmaja Marathe for the study entitled 'A Comparative Study of Effect of Topical Bimatoprost, Latanoprost, Travoprost and Minoxidil on Hair Growth in C57BL/6 Mice' at ACPCON held at ACTREC, Navi Mumbai in September 2024.
- 3rd prize for poster presentation awarded to Dr. Urmi Jain, Dr. Sharmila Jalgaonkar, Dr. Raakhi Tripathi, Dr. Sanket Gaikwad, Dr. Ajay Gattani, Dr, Sharika Pillay for study entitled, "Evaluation of Drug Use Trends for Managing IBD from Published Literature from 2015-2022:A Descriptive Analysis" at NAPTICON held at AIIMS, Nagpur in November 2024.
- 3rd prize for poster presentation awarded to Dr. Laxmi Hotkar, Dr. Vijayadhaarani S., Shafaan Maknojjia, Rahul Kothari, Anushka Kulkarni, Dr. Mudra Patel, Dr. Hannah Fatima and Dr. Shruti Bhide, for the study entitled "Assessment and comparison of drug safety communications issued by USFDA and CDSCO." at NAPTICON held at AIIMS, Nagpur in November 2024.

#### Other

- Dr. A. D. Joseph Best All-round Presenter prize awarded to Dr. Soham Sinha for the study entitled "Evaluation of antiepileptic effect of N-acetyl cysteine in Pentylentetrazole induced kindling model in Wistar rats" at the South Asian Chapter of American College of Clinical Pharmacology (SAC-ACCP) held at Hyderabad in January 2024.
- 2nd prize for poster presentation awarded to Dr. Simran Khatri at the ISCR - ICTD - Poster Presentation Theme - Rethinking data strategy and leading the way through Data Quality & Integrity (Online) held on 31st May 2024.
- Regional winners awarded to Dr. Sharika Pillay and Dr. Simran Khatri for Project idea 2024 held by Astrazeneca for topic Hypertension awareness and risk management
- Winner at the ISCR - ICTD Slogan Writing Competition awarded to Dr. Simran Khatri held by ISCR on 12th June 2024
- 2nd prize in NAPTQUIZ awarded to Dr. Kishore and Dr. Abhilash at NAPTICON-2024 held at AIIMS Nagpur on 24th November 2024.
- 1st Prize in Slide Presentation and Puzzle Competition awarded to Dr. Simran Khatri during 4th National Pharmacovigilance Week Competitions 2024 organized by Clinisol Research from 17th September to 23rd September 2024.
- Arvind Varde Research Grant Award 2024 for best research proposal of post graduate students of Pharmacology:
  1. Evaluation of effect of Lipofermata in MASLD animal model- An experimental study. Dr. Aayush Gupta

2. Effect of Everolimus and Atorvastatin on the Lifespan and Healthspan of *Drosophila Melanogaster*. Dr. Sabyasachi Mishra

### **Physiotherapy**

- Best Researcher Award won Mariya Jiandani at 15<sup>th</sup> Scientifica 17-18 Feb 2024, Pune.
- Dr Swati Paranjape awarded with best doctoral dissertation in Education by All India Institute of Educational Researchers in 2024.

### **Plastic Surgery**

- Prof. Dr. Vinita Puri elected as President of APSI (Association of Plastic Surgery of India)
- Prof. Dr. Vinita Puri took over as Honorary Secretary of ISBI (International Society of Burns Injuries)
- Dr. Kapil Agrawal (International) - ISAPS Olympiad -23(Athens, Greece). For New technique of ala base management in al flaring cases (Received in March 2024)
- Dr. Nilesh Shende. National -Panelist in Diabetic Foot Society of India conference 2024 (DFSICON)
- Dr. Vidhi Mehta. Selected and went for PWRS (Pioneering Women in Reconstructive Surgery) cohort 4 to the USA <https://resurge.org/pwrs/>

### **Psychiatry**

- Prof. (Dr.) L.P. Shah Award, 2024 for Paper on Impact of Digital Addictions in Pre-Adolescent Children Attending a Child Guidance Clinic – Dr. Ajita Nayak and Dr. Anjali Mehta
- Bhagwat Award at ANCIPS 2024 for Paper on A Cross-Sectional Study of Sexual Dysfunction, Depression and Marital Adjustment in Diabetic Male Patients, Cochin – Dr. Shubhangi Gupta, Dr. Anuradha Rathod
- Lifetime Achievement award for Psychiatry by Matunga Gymkhana, February 2024 – Dr. Neena Sawant
- Women Achiever Award, Atharva Foundation, March 2024 – Dr. Neena Sawant
- Fellowship Examiner, Mysuru, April 2024 – Dr. Neena Sawant
- Judge for Ascension 2024 – Dr. Neena Sawant
- Judge for Confluence 2024 – Dr. Neena Sawant
- IK Mujawar Award at ACIPS 2024, Mumbai for Poster on A Study of Psychiatric Sequelae among Women with Infertility– Dr. Kranti Kadam, Dr. Anushree Koduri, Dr. Sandeep Khude
- AK Naik Award at BPS Annual Day CME for Paper on Childhood Traumatic Experience, Post-Traumatic Stress Disorder in Patients of Substance Use Disorders– Dr. Kranti Kadam, Dr. Anushree Koduri, Dr. Parul Uttarwar
- FAIMER Fellowship, 2024 – Dr. Karishma I. Rupani
- Runner up, Prof. (Dr.) L.P. Shah Award, 2024 – Dr. Parijat Roy
- Winner T20 Cricket, IPSWZB 2024– Dr. Parijat Roy
- Successful in the Membership of the Royal College of Psychiatry (United Kingdom) Paper B examination, August 2024 Dr. Shraddha Subramanian
- Winner - Bombay Psychiatric Society (BPS) UG Quiz 2024 - Runner Up - IPSW2B UG Quiz - 2024.

### **Pulmonary Medicine and EPRC**

1. First prize in quiz on allergy & asthma- Advanced Course on Diagnosis of Allergy & Immunotherapy (25th Nov.2024)
2. First Prize in Quiz at the 1<sup>st</sup> Endobronchial Ultrasound Workshop held at PD Hinduja National Hospital & Medical Research Centre (8<sup>th</sup> Feb. 2024)
3. Organised quiz competition for medical students on World Environment Day (5<sup>th</sup> June 2024)

### **Radiology**

1. Dr. Harshitha Shetty won 1st prize for case presentation Edurad Grand Teaching Files 2024 (3<sup>rd</sup> year category)
2. Dr. Harshitha Shetty won 3rd prize in MSK quiz competition at Tata Memorial centre (MSK Imaging course - Dec 2023)
3. Dr. Ajith Warrior won 2nd prize in sion fast track quiz.
4. Dr. Chandranshu Nagwekar won 1st prize -Poster presentation - MRI teaching conference April 2024 Topic - Brain bends - groovy journey through cortical malformations

5. Dr. Chandranshu Nagwekar won 3rd prize - Poster presentation - Sonobuzz conference January 2024 Topic - Between the womb and tubes - interstitial vs angular vs cornual pregnancy - defining boundaries
6. Dr. Chandranshu Nagwekar won 1st prize - Conventional quiz -Fast track conference September 2024
7. Dr. Chandranshu Nagwekar won 2nd Prize - General radiology and oncology quiz - GE Radaspire - September 2024
8. Dr. Milan Talati won 2nd Prize at case presentation at EduRad Grand TF 2024
9. Dr. Milan Talati won 2nd Prize in poster presentation at Crossecon 2024

### **Surgical Gastroenterology**

1. Department Performed Three Successful Liver Transplant
2. Dr Yuvraj T was awarded First Prize at TYSA-Surgical Gastroenterology for the year 2024
3. Dr AmarSinh Shinagade was awarded Second Prize at TYSA-Surgical Gastroenterology for the year 2024
4. Dr Sharad C Kantharia secured First Prize for his Scientific Presentation on Bail Out Procedure for Safe Cholecystectomy at Annual Conference of Mumbai Surgical Society. March 23rd 2024

### **Urology**

- Dr Sujata Patwardhan
  - o WZUSICON 22-25 September 2022 – Gold medal in Urology
- Dr Kamlesh Singh
  - o University examinations July 2022, MUHS Nashik - Gold medal in final exit exams
- Dr Gaurav Kumar Malvi
  - o Chitale travelling fellowship quiz held at WZUSICON Nashik 2022- second prize
  - o USI International travelling fellowship quiz 2022 – 8TH rank
- Dr. Nirmal Agarwal
  - o 1st prize in Stone Quiz at 1st annual conference of Urolithiasis, section of USI, PGIMER Chandigarh.
  - o 1st prize in National Hackathon in ASMIUA on 14th September 2023
- Dr. Jaymin Jaysingani
  - o 2nd Prize in WZUSICON 2023 Indore for Poster Presentation.
- Dr. Jitin Shah
  - o 2nd prize in video presentation at WZUSICON on Trans-abdominal repair following unsuccessful Trans-vaginal repair of multiple vesico-vaginal fistulae.
- Dr. Anjali Chauwdhari
  - o Podium- 1st Prize at WZUSICON- Role of PSP94/ PSA Index in referral of LUTS Patient.



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# Community Care

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# Community Care

## Anesthesia

- The department conducted a basic life support training (BLS) course for paramedical personnel to handle emergency scenarios.
- Health care worker at basic health care camp at Borivali Rotary club dispensary screened more than 700 pts in a day for DM, HTN, Eye and ear checkup.
- Conducted COLS workshop on 24 March 2024 for 100 lay persons at Ghatkopar Raheja Garden.
- Conducted BLS workshop on 28 November 2024 for 30 Staff member of NIPHTR in CPR room.

## Cardiovascular and Thoracic Anesthesia

- COLS workshop for lay persons

## Clinical Hematology

- Cancer awareness programme
- Hemophilia Care patient awareness camps
- Education with fun activity for cancer patients by Alcargotrust.
- Nutritional and Hygiene awareness programme in leukemia and other blood disorder patients
- Awareness on Role of exercise and occupational therapy in leukemia patients
- Education with fun activity, outing, Birthday celebration, Festival celebration, Cancer Awareness, Parents support group meeting for cancer patients by Cankids trust

## Community Medicine

- Services provided at Naigaon Health Centre
- Under 5 years health care services provided.
- Geriatric services provided at Naigaon OPD.
- Skit on Breast Feeding was performed by Junior Residents on occasion of World Breast Feeding Week in August 2024
- **Malvani Urban Health Centre, Malad**
  - o The Centre provides
  - o Daily OPD services of General OPD, Paediatric OPD, TB OPD, ICTC, DSRC OPD and Link ART Centre.
  - o Special services - Well Baby clinic, Chronic OPD (Geriatric OPD) & Specialis tOPD of Psychiatry, Skin, Dental, IUCD insertion OPD & MDR TB OPD.
  - o Laboratory services (Routine biochemistry, Peripheral blood smear examination
  - o Blood sugar, Sputum testing, CBNAAT sample collection and Apli Chikitsa through Krishna Diagnostic services
  - o National Health Programs: National Tuberculosis Elimination Program (NTEP), National AIDS Control Program (NACP), Maternal & Child Health Program, Integrated Disease Surveillance Program (IDSP).
  - o Training of PG residents & Interns in Community medicine.
  - o Community-based out reach activities
  - o Research Project under Dept of Health Research/ MRU-KEM - Piloting of Integrated Palliative care, Elderly & Mental Health care project

## Dentistry

- Dental camp held on 22nd September, 2024 at Shyamnagar, Jogeshwari East.
- Dental care of municipal school students attending school clinics at KEM.

## Dermatology

- Community level Skin OPD services were provided in the Dr BR Ambedkar Camp organised from 3rd-7th December.
- Vitiligo day (25th June) was celebrated on 27th June with a play and ppt presentation for spreading the awareness and decreasing the stigma regarding the disease.
- Leprosy day was celebrated on 30<sup>th</sup> January 2024 in the dept.

**ENT**

- “The Lifeline Express” Impact India Foundation surgical camp was held in North Lakhimpur, Assam in May 2024.

**Forensic Medicine and Toxicology**

- Project with Maharashtra Police Academy and Mumbai Police for training of Medical Officers and Nursing staff of MCGM for women safety under safe city project, Nirbhaya Fund.
- Project for disaster Victim identification for defense personnel with Indian Dental Association.
- Training conducted for API, Senior Inspectors and ACP officers at Maharashtra Police Academy, Nashik
- Project for Disaster Victim Identification for defense personnel with Indian Dental Association

*Education:*

(II) MBBS :-

- February 2023 – 255

(III) MBBS:-

Total Students - 255,270

University Exam going Students.

Grand Total:-511 (Five Hundred & Eleveen)

Total Exam going students

- No of candidates sent up : 249
- No of candidates passed : - 240

**Gastroenterology**

1. Department of Gastroenterology KEM Hospital is dedicated model treatment centre for National Viral Hepatitis Control Program.
2. Viral Hepatitis Day was celebrated through lectures, posters, rally and information camps
3. Training of peripheral centres for NVHCP awareness
4. Dr. Akash Shukla Nominated to the TRG of NVHCP, GoI
5. Dr. Akash Shukla Nominated to national surveillance program on NVHCP for MoH & FW, GoI. Awareness activation for organ donations.

**Medicine**

- Dr. Santosh Salagre:-
  - o Dr Santosh Salagre organized a Hypertension and Diabetes awareness and detection Medical Camp on behalf of Hypertension services, KEM Hospital in collaboration with Aazad Hind Sarvotkarsh Mandal, Sudarshan Society, Parel Village on 26th February 2023 on the occasion of 75th Year of Independence. More than 200 patients were benefited from the camp.
  - o Dr Santosh Salagre attended five Medical Camps on Sundays for Tribal Citizens of Mokhada, District Palghar, Maharashtra in 2023 organized by Dilasa Medical Foundation and Rehabilitation Trust, Mumbai.
- Dr. Archana Sonawale:-
  - o Video on Leptospirosis awareness for public
- Dr. Nitin Sarate:-
  - o Conducted workshop of Primary management after Snake bite for employees of BMC Gardens.
  - o Conducted workshop of First AID in Disaster for Fire Brigade employees & Police Department.
  - o Participated as ICU Consultant in Community Education film on GBS.

**Microbiology**

- Providing counseling and HIV antibody testing services for direct walk-in clients.
- Counselors following up with PLHIV for increasing linkage to care and support.
- World AIDS Day commemorated with testing and counselling sessions for those visiting OPD.
- World AIDS Day activity conducted by dissemination of information, counselling and testing to general population in camps organized under MDACS at different railway stations.
- HIV Awareness activity among the adolescent school going children.

## Neonatology

Nutrition support for the mother	With the help of the project, we have partnered with an NGO for providing nutrition for mothers & beneficiaries are <b>66</b> till now. The drive is conducted every Friday since August 2023
NPC training for nurse's seminar	Lecture was arranged for sisters from KEM Hospital to create awareness & guide them about neonatal palliative care components.
NPC day celebration	Lecture was arranged to create awareness about palliative care revolving around the theme "Compassionate Communities Together for Palliative Care "
Diwali activity for NPC mothers	Recreational activity planned for mother which included painting Diyas on occasion of Diwali.
Awareness programme about NPC	The dignitaries were Sion hospital NICU Doctors.
NPC social help	Attended by Children Palliative Care team Doctor and Social worker from Nair Hospital. They were explained about the process.

### *Details of beneficiaries under the NPC project 2024:*

Number	Particulars	Numbers of beneficiaries
1	Total neonates enrolled in 2024:	360
2	Antenatal clinic attendees	385
3	Total interactions done with parents & care givers:	1500
4	Phone follow ups	345
5	Social support beneficiaries with regards to baby products, mother nutrition.	594
6	Yoga mats provided for the mothers	30
7	Cushions to Kangaroo mother care chairs	30
8	Stimulatory toys provided for the neonates	68
9	Support extended for genetic investigations which is not available in KEM	53
10	Baby products provided and Essential kit consisting of clothes and hygiene items were provided for mother who lack support	400
12	Number of healthcare workers sensitized	200

## Nephrology

- Specialised Medical Social Worker (MSW) service attached to the Department of Nephrology
- Awareness program for patients – empowerment through employment was conducted in associated with Kidney Warrior Foundation in Nov 2024. It was well appreciated and attended by over 60 patients and their caregivers
- Weekly education programme for patients with end stage kidney disease and transplant
- Weekly counselling programmed for patients with kidney disease and their care givers
- Dr Divya Bajpai is associated with Kidney warrior's foundation (dealing with burden of kidney disease in the community). This foundation regularly organizes seminars and workshops for patients.

## Neurology

1. Talk on Prevention of Neurological Illness in Senior Citizen for Senior Citizen Club of Wadala by Dr Shruti Agrawal in October 2024.
2. 4 patient awareness short films made on Neurological illnesses in collaboration with Whistling Woods International Institute with the help of donation from Mrs. Aruna Advani.
3. Dr. Neeraj Jain organised a camp for Disabled children in Navi Mumbai in association with Sahayogini Palak Sansthan, Koparkhairane, Navi Mumbai on 26.12.2024.

## Obstetrics and Gynecology

- Dr. P. Y. samant discussed PCOS awareness and Prevention with students of Jai Hind College , Mumbai on the 30th of July 2024
- Dr. P.Y. Samant was a panellist for discussion on Empowering Women Using Technology- Health, Literacy and Finance at annual conference of Thakur Institute of Management Studies, Career Development and Research and delivered a lecture on Women Centred Health Technology

## Ophthalmology

- Regular check up of school students

## Orthopedics

- We have the facilities of treating fresh and neglected musculoskeletal trauma in all age group. We treat congenital, inflammatory, infective, neoplastic and degenerative pathologies affecting musculoskeletal system. We have skill and equipment to treat simple & complex trauma, spinal surgery, arthroplasty, arthroscopy and paediatric orthopaedic surgery.
- Our staff members participated in local and regional social services camps.

## Pathology

- Participation in blood donation camps

## Pediatrics

- Blood bank camps attended by Resident Medical Officers-- 2
- Regular health camps attended by Resident Medical Officers -- 8
- Resident Medical Officers attended the Health Camps (round the clock) organized at Dadar Chityabhoomi for Mahaparinirvan Din of Dr. Babasaheb Ambedkar from 3rd to 6th December 2024.

## Pediatric Anaesthesia

- Pediatric Pain clinic has been started with OPD on Tue and Thu 1.30 to 3.30 pm

## Pediatric Surgery

- Birth Defect Clinic-- Counseling and early intervention of congenital anomalies
- Providing essential hygiene care items to children and post partum mothers by Angeze Charitable trust.

## Pharmacology and Therapeutics

- A team from Ayurveda Research Centre, Dr. Rutuja R. Chavan (House officer), Dr. Sharda Pawar (Registrar) participated the Health Camp organized by BMC G North Ward at Chaityabhumi, Dadar Mumbai on 14th April 2024 to provide patient care and create awareness about rational use of Ayurvedic Drugs. 33 Patients were examined and prescribed Ayurvedic drugs.
- A team from Ayurveda Research Centre, Dr. Rutuja R. Chavan (Registrar), Dr. Jae Kudtadkar (House officer), participated in the Health Camp organized by Ravindra Dattaram Waikar (Member of parliament-loksabha) at Echapurti Shree Ganesh Mandir Parisar Jogeshwari (East), Mumbai on 22nd September 2024 to provide patient care and create awareness about rational use of Ayurvedic Drugs. 51 Patients were examined and prescribed Ayurvedic drugs.
- A team from Ayurveda Research Centre, Dr. Rutuja R. Chavan (Registrar), Dr. Pooja Tambe (Registrar), Dr. Jae Kudtadkar (House officer), Dr. Sharda Pawar (House officer) participated in the Health Camp organized by BMC G North ward at Dadar Shivaji Park, Ground, Dadar west, Mumbai from 3rd to 6th December 2024 to provide patient care and awareness about rational use of Ayurvedic Drugs. 92 Patients were examined and prescribed Ayurvedic drugs.

## Physiotherapy

- Geriatric Services at Naigaon
- Brain Gym, Suryanamaskar and skipping activities were conducted as a school project at RM Bhatt school of Gokhale education for 2 weeks in January 2024

## Plastic Surgery

- Partnership with Resurge International wherein every patient under its fold is provided free surgery and post operative rehabilitative aids
- Awareness of Plastic Surgery Program on 15th July 2024.
- Organized the fun session for burn patients with the help and support of Atijeevan Foundation to provide psychological support to our burn patients.

## **Psychiatry**

- Malvani Community Outreach Centre services
- Social awareness camps and lectures

## **Pulmonary Medicine and EPRC**

- NEHP Survey
- Census
- Questionnaire
- Medical Camp
- Medical Check-up
- Asthma Education

## **Surgical Gastroenterology**

1. Social Awareness Lectures were delivered by Dr Chetan Kantharia, Dr Ramkrishna Prabhu and Dr Sharvari Pujari at various forums including on Television and for Hospital Staff including sisters

## **Transfusion Medicine**

### *Blood Donation Camps*

- Total Number of camp in 2024 : 140
- Total Collection in 2024 : 28,429

### *Total no of Camps where collection was more than 300 units.*

- Cipla Company, Vikhroli, 07/03/2024 : 346 units.
- Capgemini, Airoli, 13/03/2024 : 402 units.
- Capgemini, Airoli, 05/06/2024 : 528 units.
- Aniruddha Academy of Disaster Management, Bandra, 21/04/2024 : 463 units.
- Sant Nirankari Modal, Boisar, 24/04/2024 : 328 units.
- Poosa Uttan, Bhaindar, 16/06/2024 : 338 units.
- Reliance Jio, 05/07/2024 : 300 units.
- Sewari Vidhansabha, 21/07/2024 : 409 units.
- L & T, Powai, 26/07/2024 : 334 units.
- Godrej Pragati Kendra, Vikhroli, 08/08/2024 : 491 units.
- Godrej Pragati Kendra, Vikhroli, 09/08/2024 : 518 units.
- Siemens, Airoli, 22/11/2024 : 467 units.





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# Donations and Grants

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# Donations and Grants

## Anesthesia

- BPCL donated 4 mindray seven parameter umec monitors, for anesthesia department in April 2024.

## Biochemistry

- Donation of **Rs.60,000** each from Becton Dickinson Diagnostics, Randox Laboratories, Beckman Coulter, Roche, Transasia and Precugen Biomed for conducting **4th Certificate Course in LABORATORY PRACTICES: A QUALITY APPROACH** in October 2024

## Cardiology

- Installed state-of-the-art IAPB machine, New 2D echo lab, ECG and Holter Machines received in grant from The Indian Hume Pipe Co.
- Received Water purifier with Hot and Cold water outlets in grant from Mr. Santosh V. Shah.

## Cardiovascular and Thoracic Anesthesia

- Research society grant for TEG cartridges .
- CSR donation for USG machine GE LOGI-Q .

## Cardiovascular and Thoracic Surgery

- Donation of INR 2,00,00,000/- by the Members of Parliament Local Area Development Fund (MPLAD).

## Clinical Hematology

- Karo trust – Providing the financial support and nutrition support RUTF
- Vasantha Memorial Trust – Donation for Medicines and Food grains.
- Cancer patient Aid Association – Donation for drugs
- Ratan Tata Trust
- Cuddles foundation
- Nutritional needs of children with malignant disease undergoing chemotherapy have been the focus as malnutrition affects the results of chemotherapy by decreasing its tolerance.
- Thus to overcome this challenge we have immense support of the NGO called Cuddles Foundation who provides holistic Nutritional support to all Paediatric Cancer patients in India.
- At our Haematology Department we have a full time Cuddles Foundation Nutritionist who helps the children to improve the nutritional status by providing personalised diet plan and nutritional supplements to meet their requirements.
- This NGO emphasizes on child's Nutritional needs by providing them Ration each month throughout the treatment, provides monthly ration milkshakes, lassi, chikki, thick skin fruits and hot meals on daily basis to each child with the purpose of no child should stay hungry whenever they come to hospital.
- Can kids –
  - o Cankids will provide social support services to the Hospital as described below-
    - o Medical Assistance-General medical assistance, adopt a child (supporting the patient for complete treatment) for treatment as and when required as per the need,
    - o Paediatric psycho-oncology program- Bereavement support and Palliative counseling.
    - o Treatment support program- hygiene and infection control sessions and interventions, nutritional support, sharing caring session.
    - o Investigation counseling.
    - o Education program - non- formal education.
    - o Parent and patient Navigation program.
    - o Capacity Building- training for social support team, medical capacity building- 1 nurse- q dedicated nurse to the department ( hospital grant), any and all medical staff deployed under this agreement (all muses etc.) Shall be appointed according to KEM Hospital's recruitment procedures. it is agreed that such staff are the sole

responsibility of KEM Hospital in all matters pertaining to their work including the effects of their actions at work. I nursing staff related to this project will be employed by the hospital. Cankids will provide / transfer the funds to KEM Hospital purely to cover the salaries of such staff. Quality control Research impact initiative:- ALL project.

- o Awareness - International childhood cancer day, nurses day, doctor's day, national nutrition week, breastfeeding week, global handwashing day, world blood donor day.
- o Advocacy- Go gold for childhood cancer.
- o Cankids will provide a social support team to deliver the social support services at the hospital as described in the#
- o One Social worker
- o One Psychologists
- o Natco Trust- Day care renovation and staff salary
- o Being human
- o Sushila Modi trust
- o Budrani trust

### Clinical Pharmacology

- A High Performance Liquid Chromatography (HPLC) machine received through generous CSR donation from Bharat Petroleum Corporation Limited and installed in Sept 2024.

### Dentistry

- Dr. Omprakash Gajare Satkarma Foundation, Rs. 20,000 for Intraoral camera and monitor.

### Dermatology

- Donation of Rs 25,000/- to DDF by Ex GSite Dr. S.W. Patange (Father of Dr. Vidya Kharkar).

### ENT

- 12 sets of OPD Instruments donated by Sanyog Trust

### Gastroenterology

- Donation for Liver ICU through Adigene trust.

### Microbiology

S. No	Name of donor	Amount (Rs.)	Activity	Type
1	MDACS	150000/-	ICTC-M, EQAS and ART activities	Patient care
2	MDACS	100000/-	CD4 testing	Patient care
3	MDACS	30000/-	Panel Workshop	Training
4	NACO/MDACS	3,00,000/	Viral load testing	Patient care
5	MSACS	100000/-	Research project	Patient care
6	NVBDCP	100000/-	Strengthening the laboratory	Patient care
7	QIMR	4,70,880/-	Research project	Patient care
8	DHR/ICMR/VRDL/EQAS Project	37,34,027 includes salary , equipment and contingency	PT provider to registered participants	Research/ Quality assurance and control
9	DHR/ICMR/VRDL	Rs 15,00,000 for contingency and Rs 25,40,000/ for salary	Running of VRDL lab	Patient care & Research

### Neonatology

Sr. No.	Name of Donor	Amount donated / Equipment Donated (Rs.)	Specific Activity for which donated
1	State PIP, NHM	20,46,208/-	FBNC Training Program for Medical Officers & Staff Nurses working in SNCU

Sr. No.	Name of Donor	Amount donated / Equipment Donated (Rs.)	Specific Activity for which donated
2	State PIP, NHM	7,52,792/-	SNCU Operational Cost
3	State PIP, NHM	1,08,000/-	SNCU Software Project
4	State PIP, NHM	93,000/-	CLMC Software Project
7	MKH Foundation	24,82,100/-	Nitric Oxide machine
8	MKH Foundation	22,35,700/-	Giraffe Incubator Care Station CS1
9	'Nalwala Foundation'	2,37,000/-	Fisher and Paykel 950 series Humidifier (1Nos)
10	Aarti Foundation	17,59,380/-	Sterifeed T30 Human Milk Pasteuriser and accessories
10	Aarti Foundation	1,59,300/-	Vertical Deep Freezer (Middleby Cell frost)
11	Inner wheel Club of Mumbai Charity Trust	3,00,000/-	Radiant Warmer - Level II (6 No.s) AVI Healthcare Pvt.Ltd

### Nephrology

- New state-of-the-art laboratory equipment acquired for laboratory work from donation - Euroimmune Analyzer – I2P - Automated ELISA reader with high throughput for various immunological tests.

### Neurology

- Many non-affording patients admitted given donation by Pentagon Charitable foundation and HOPE foundation (for investigations, IVIG and PLEX)
- Long term VEEG machine through CSR (by GIC)
- Android Tablets for maintaining electronic health records of epilepsy patients, donated by Ratanchand Hirachand Foundation, Mumbai

### Neurosurgery

- ICICI securities- Stryker drill system and Malis bipolar cautery machine and aesculap instruments

### Obstetrics and Gynecology

Sr. No.	Name of Donor	Amount Donated	Specific Activity for which Donated
1	Indian Hume Pipe Co Ltd	Rs 56,25,200 (Ultrasound machine)	1. Patient Care 2. Training programs 3. Strengthening Department
2	The Song of Oneness Foundation	Rs. 14,46,000 (6 Cardiotocograph Machines)	1. Patient Care 2. Training programs 3. Strengthening Department 4. Antepartum surveillance
3	Dr Anirudh and Dr Anjali Malpani	Rs. 1,30,000 (Laminar flow machine for IUI)	Creating affordable services in the sector of infertility and contribute in building center of excellence in KEM Hospital

### Occupational Therapy

- Inauguration of Donated Mobility Unit by Padmashree Awardee Dr. Subhash Apte, an Alumni of Occupational Therapy School and Centre, Seth GSMC and KEMH.

### Orthopaedics

- Received Donation of Meril's Cuvix Robotic-arm assisted Total Knee Arthroplasty from BKT tyres
  - New equipped Operation Table in Spine OT through Donation from Indian Hume Pump Co. Ltd.
  - New Power drill system – Drill gun and Saw gun through Donation from Mr Arun Sheth
5. Future plan and looking ahead :
- Navigation system for spine and arthroplasty surgery.
  - Intra operative O- arm.
- Modular operation theatre (8 theatre with HDU on the same floor complex – 4th floor)

2. Expansion of Department area (6th floor) in view of MCI guidelines.
3. Speciality OPD services in Orthopaedics OPD complex. (In arthroplasty, shoulder, Knee, paediatric orthopaedics, Spine, Joint preservation surgeries)
4. Sports Medicine Center.
  - Establishment of paraplegic rehabilitation center
  - Establishment of dedicated intensive care unit with bed capacity of 8 for orthopaedics.

## Pediatrics

### Donations

Name of donor	Amount donated	Specific activity of donation & Co-ordinators
MPS Limited	INR 10 lakhs	As an educational grant for partially supporting the functioning of the Learning Disability Clinic.
Thyssenkrupp Industrial Solutions Ltd. (TKIS), India [under CSR Program]	INR 10,45,091/-	Comprehensive Maintenance Contract for five years (2023-2028) for Two nos. of Schiller Neumovent Ventilators (donated by TKIS) in Pediatric Intensive Care Unit
Thyssenkrupp Industrial Solutions Ltd. (TKIS), India [under CSR Program]	INR 2,50,000/-	Annual CMC (year 2024-2025) for the 6 Multiparameter Monitors (donated by TKIS) in Pediatric Intensive Care Unit
Thyssenkrupp Industrial Solutions Ltd. (TKIS), India [under CSR Program]	INR 15,18,160/-	Donation of 21 Syringe Infusion Pumps to Pediatric Intensive Care Unit, KEMH with 3 years warranty & 5 years CMC till year 2028.

## Paediatric Anesthesia

### Donations

1. Ratanchand Hirachand Foundation donated Pediatric size AMBU Scopes worth Rs 8 lakhs
2. Sahyog Trust in association with Jain Doctor's Federation donated Karl Storz FIVE scope 3mm pediatric size flexible video endoscope worth Rs 23 lakhs

## Pediatric Surgery

- Paediatric Ventilator donated by Rotary Club of Bombay

## Pharmacology and Ayurveda Research Centre

### Grants

Sr. No.	Study title	Name of grant	Amount	Investigators Name
1	Evaluation of the effect of <i>Commiphora Wightii</i> and <i>Asthiposhak</i> in Experimental Rat Model of Osteoarthritis.	Shree Dhoothpapeshwar Ltd , Mumbai	Rs. 1,50,000/-	Dr. Yashashri Shetty
2	Evaluation of efficacy of Polyherbal formulation in animal model of Chronic Kidney disease.	Shree Dhoothpapeshwar Ltd , Mumbai	Rs.1,80,000/-	Dr. Shruti Bhide
3	Evaluation of effect of Lipofermata in MASLD animal model- An experimental study.	Dr. Arvind B. Varde Research Grant	Rs.50,000/-	Dr. Aayush Gupta
4	Effect of Everolimus and Atorvastatin on the Lifespan and Healthspan of <i>Drosophila Melanogaster</i> .	Dr. Arvind B. Varde Research Grant	Rs.50,000/-	Dr. Sabyasachi Mishra
5	Evaluation of the Effect of Polyherbal Preparation in Experimental Mice(C57BL/6) Model of Metabolic-Dysfunction-Associated Steatotic Liver Disease (MASLD).	Shree Dhoothpapeshwar Ltd , Mumbai	Rs 1,50,000/-	Dr Yashashri Shetty
6	Evaluation Of Effect Of S-adenosyl-L-Methionine (SAME) in Letrozole induced model of PCOS in Wistar rats.	HRD Scheme of Department of Health Research 2024-25	Rs.1,00,000.00	Dr. Urmi Jain

Sr. No.	Study title	Name of grant	Amount	Investigators Name
7	To study the anti-arthritis potential of Semaglutide on Complete Freund's Adjuvant induced Rheumatoid Arthritis in female wistar rats.	HRD Scheme of Department of Health Research 2024-25	Rs.1,00,000.00	Dr. Pooja Ugale
9	Evaluation of efficacy of Polyherbal formulation in animal model of Chronic Kidney disease.	HRD Scheme of Department of Health Research 2024-25	Rs.1,00,000.00	Dr. Hannah Fatima

### Pharmacology and Therapeutics

- Grant of Rs 1,50,000 from Shree Dhoothpapeshwar Ltd , Mumbai for a research project on animal model of osteoarthritis.
- Grant of Rs 1,80,000 from Shree Dhoothpapeshwar Ltd , Mumbai for a research project on animal model of Chronic Kidney disease.
- Grant of Rs 50,000 from Dr. Arvind B. Varde Research Grant for a research project on Lipofermata in MASLD animal model.
- Grant of Rs 50,000 from Dr. Arvind B. Varde Research Grant for a research project on the Lifespan and Healthspan of Drosophila Melanogaster.
- Grant of Rs 1,50,000 from Shree Dhoothpapeshwar Ltd , Mumbai for a research project on Model of Metabolic-Dysfunction-Associated Steatotic Liver Disease (MASLD).
- Grant of Rs 1,00,000 from HRD Scheme of Department of Health Research 2024-25 for a research project on S-adenosyl-L-Methionine (SAME) in Letrozole induced model of PCOS.
- Grant of Rs 1,00,000 from HRD Scheme of Department of Health Research 2024-25 for a research project on Semaglutide on Complete Freund's Adjuvant induced Rheumatoid Arthritis.
- Grant of Rs 1,00,000 from HRD Scheme of Department of Health Research 2024-25 for a research project on Polyherbal formulation in animal model of Chronic Kidney disease.

### Physiotherapy

- Research Grants received from Staff Research Society, Seth GSMC & KEMH
- Donation sanctioned from Sahyog Trust for purchase of Intermittent pneumatic compression opump in treatment of lymhoedema.

### Plastic Surgery

Sr. No.	Name of Donor	Amount Donated	Specific activity for which donated
1.	Hansraj Damodar Charitable Trust	5,00,000/-	For Burn Patient Care
2.	Dr. Roshani Eruch Rana	50,000/-	For Department

### Psychiatry

- Upgradation of Tobacco Cessation Clinic was done through a grant received from the Bajaj Electrical Foundation.
- A new 32 channel Galileo video electroencephalogram system was donated by the Song of Oneness Foundation.
- A new set of Psychological Tests (Thematic Apperception Test and Binet-Kamat Intelligence Quotient) was donated by the Giants' Group of Island City (GGIC) Trust, Mazgaon.

### Urology

- Received Rs 25 lakhs donation from CU Shah Charitable Trust and purchased 30W Holmium laser machine and C arm machine from the donation

### Pulmonary and Chest Medicine

1. Shri Kesarkar donated nebulizers, UPS, chairs in memory of his mother
2. Dr Dabholkar donated suction machines and oxygen concentrator and toilet chairs





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# Education

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# Education

## Anatomy

Courses offered	Intake of Students (for 2024)
I MBBS	250
MD Anatomy	00
I B.P.Th.	40
I B.O.Th.	40
Nursing	80
I B.P.M.T	35
PhD (Anatomy)	00
PhD (Applied Biology)	Nil

### Library Holdings:

- Total No. of Books: - 1115
- No. of New Books added in 2024: - 10
- No. of Journal titles: - 04
- Total No. of Journals: - 111

## Anesthesia

- MD Intake :40 Results : 100%
- Fellowships in Chronic Pain, Neuroanesthesia, GI anesthesia, Regional Anesthesia : 2 students for each fellowship
- CPCR : Advanced Cardiac Life Support (ACLS) : Workshops, attended by approx. 300 students.
- B.P.M.T. (OT Technician) Intake : 10 Results : 100%

### Library

- No. of books: 700

## Biochemistry

Courses Taught	Intake of Students for (2024)
MBBS - I Year	250
B.P.Th. - I Year	40
B.O.Th. - I Year	40
B.P.M.T. - I Year (Cardiology Technician & Perfusion Technician)	10
PG-DMLT	10
Ph.D. Medical Biochemistry	3

ICMR Short term Studentship (STS) program for medical undergraduates to familiarize them with research methodology.

## Cardiology

- DM Cardiology: annual intake
- BSc PMT–Intake of 5 Students per year
- M.D. (Medicine/Allied)–Residents from department of medicine are posted for a period of 1 month in Cardiology on rotation basis.
- Nursing students from various institutions are allowed observership as per administrative directives.
- Observers from Department of Palliative Medicine at Tata memorial Hospital.

## Cardiovascular and Thoracic Anesthesia

- DM Cardiac Anaesthesia 2 seats/ year
- Fellowship in Cardiac Anaesthesia 2 seats
- Library Access to number of books, national and international Journals dedicated to Cardiac Anaesthesia both online and offline.

- Student activities Residents sent for Observership in Pediatric Cardiac Anaesthesia at Kokilaben Dirubhai Ambani Hospital for 15 days.

### Cardiovascular and Thoracic Surgery

- M.Ch- Annual intake 6 students
- The department runs active teaching and clinical training for the perfusion students. /Nursing/OT & PT.
- The residents rotate through other disciplines like Cardiology, Chest medicine, Vascular Interventional Radiology, Congenital heart surgery at Childrens Heart Centre at Kokilaben Hospital and Surgical Oncology at Tata Memorial Hospital.T
- Library–Departmental Library-358books

### Clinical Hematology

- Work shop and CME conducted on 26/10/2024 and 27/10/2024 on Bleeding disorders advances and management.
- CML awareness program conducted on 21/9/2024 for educating patients and felicitation donors

### Clinical Pharmacology

- DM Number of candidates admitted: 3

### Community Medicine

	Course offered	Intake	Results (2024)
1	M.B.B.S.	250	Pass –242, Failed – 8
2	M.D. (Comm. Med.)	Intake - 19 in batch 2023-24	Passed- 2/2
3	PhD (Community Medicine)	2 students pursuing PhD in the Dept.	

### Dermatology

Course	Intake	Result
MD Dermatology	6	Pass (100%)
Fellowship in Diagnostic Dermatology	2	Pass (100%)

#### Library holds

- 197 books.

### Endocrinology

- MD medicine residents are posted in rotation in the department of Endocrinology for 15 days.
- Superspeciality trainees from CMC vellore are posted as observers for pediatric endocrinology for 1 month each.
- Junior residents from Rajiv Gandhi Medical College and Chhatrapati Shivaji Maharaj Hospital for 1 month each.
- DM Endocrinology:Admissions:3
- Diploma Diabetology (DD):One

#### Library

- holdings 476 in Central Library & 493 in Departmental Library.

### ENT

- II MBBS students -250
- MS- Annual intake -5

### Forensic Medicine and Toxicology

- (II) MBBS
  - February 2023 – 255
- (III) MBBS
  - Total Students - 255,270 University Exam going Students.
- Grand Total:-511 (Five Hundred & Eleven)

- Total Exam going students
  - o No of candidates sent up : 249
  - o No of candidates passed : - 240

### Gastroenterology

- Four candidates completed DM Gastroenterology training.
- Trainee-3 for Motility disorders, IBD and hepatology training.

### General Surgery

#### International observership:

- Masius Gerg Konig (Germany) from 20th February, 2024 to 10th March, 2024
- David Niklas Zimmer (Germany) from 30th December, 2024 till date.

#### New Courses:

- Two fellows joined Breast services for a period of one year
- Fellowship course in “Abdominal Wall Reconstruction(AWR) & Hernia Surgery”

### Medicine

- Annual intake for MD medicine: 23

### Microbiology

Courses Offered	Intake for the current year
MD (Microbiology)	6
Fellowship in IPC with specific reference to H.A.Is	1
II MBBS (Microbiology)	250
PG D.M.LT	9

Lectures and practicals for II MBBS, OT/PT (II year), Nursing, B.P.M.T, M.D and P.G DMLT students.

#### Library

- Departmental Library holds – 23 Books
- central library and other online resources are provided.

### Neonatology

Courses offered	Intake
DM (Neonatology)	4
MUHS Fellowship	2

- National observers cum trainee: 10 Pediatricians & 50 nurses from Alibaug, Nashik, Ulhasnagar, Amravati, Sangli, Jalgaon and Nandurbar and Akalkua districts of Maharashtra trained in neonatal care under Facility Based Newborn Care program.
- Organization of 10 Facility Based Newborn Care Observership Training programs of 14 days each for pediatricians & nurses from all over Maharashtra.
- DM residents from other departments had allied posting in Neonatology.
- DNB residents from BARC hospital posted for 1 month of allied posting in Neonatology.
- Palliative care resident from TATA hospital posted for 1 week in the department of neonatology every year.

#### Library

- Total No. of books – 200

### Nephrology

- Courses: Intake- DM Nephrology 2 students per year
- Regular posting of DM candidates from Palliative Medicine department Tata Memorial Hospital

## Neurology

- Annual intake: Two students per year for DM Neurology.
- 5 students per year for B.Sc. Paramedical Technology
- Library–Departmental library holds 250 books

## Neurosurgery

- 4 MCh Neurosurgery seats per year and 100% passing rate of students in Mch final exam 2023
- 1 SNVI Endovascular fellow

## Nuclear Medicine

- Part of ICMR training for hemophilia management under HFI.

## Occupational Therapy

Year	Result
First BOTH	Summer 2023-24 : 62.96% Winter 2023 - 62.85%
Second BOTH	Winter 2023- 77.42%
Third BOTH	Winter 2023 - 81.25
Fourth BOTH	Winter 2023- 100% Summer 2023 67%
MOTH - Neurosciences	100%
MOTH - Developmental Disabilities	100%
MOTH - Musculoskeletal Sciences	100%

## Ophthalmology

- Aadi Wankhade, Ireland and Observership
- Annual admissions: 5 MS seat, 2 house officer seats, 1 observership

## Orthopedics

- Courses offered – MS Orthopedics, MUHS & MCI recognized. Every year we have an intake of 24 post graduate candidates
- Fellowships in the subspecialty of Spine, Arthroplasty and Arthroscopy started.

### Library

- We have access to updated departmental library and online journal data base.

## Pathology

- MD Pathology – 14 students per year
- MBBS –250 students per year
- DMLT - 10 students per year
- BPMT Course – 5 students per year
- BPTth & BOTth courses – Total 80 students (40 each) per year
- Twelve Fellowship posts sanctioned per year in Cytopathology, Neuropathology, Cardiovascular Pathology, Gastro-intestinal Pathology, Uropathology and Pediatric Pathology; Eight fellows under training at present.
- B Sc Nursing lectures for 80 SNTD nursing students
- Observer ship offered for Autopsy & Histopathology training to MD & DNB Pathology post-graduates from all over India throughout the year.
- Observer ship to laboratory technology trainees from various colleges in Mumbai throughout the year.

### Library

- 310 text books

## Pediatrics

### *International Observers & Elective Trainees:*

Sr. No.	Name of the Trainee	Place of Origin	Purpose of Training
1.	Chandani Pandey	Alte University, Georgia	Elective Training from 12.08.2024 to 07.10.2024
2.	Nidhi Badami	Georgian National University SEU	Elective Training from 12.08.2024 to 07.10.2024
3.	Debleena Chand	Alte University, Georgia	Elective Training from 12.08.2024 to 07.10.2024
4.	Kaustubh Bapat	Alte University, Georgia	Elective Training from 12.08.2024 to 07.10.2024
5.	Shrey Ghadigaonkar	Charles University, Prague, Czech Republic	Summer Clerkship from 16.07.2024 to 30.07.2024
6.	Lameeya Bandukwala	Lancaster University Medical School, United Kingdom	Elective Training from 13.07.2024 to 26.07.2024

### *Courses offered and Intake for Current Year:*

- MD Pediatrics: 28 MD Pediatrics seats [at Seth G.S. Medical College].
- Fellowships: Fellowship in Pediatric Neurology & Epilepsy (2 seats), Fellowship in Clinical Genetics (2 seats), and Fellowship in Pediatric Intensive Care (2 seats).
- MSc in Applied Biology.
- Postgraduate students from MD- Palliative Medicine Course (Tata Memorial Hospital) and MD- Community Medicine (Seth GSMC & KEMH) are periodically posted in Pediatric Department as a part of their MD training Program.

### *Library Holdings: Books & Periodicals - 110.*

## Pediatric Anesthesia

- International Observers and Elective Trainees : Observers from Central and Western Railway Hospitals have visited in rotation
- Course offered, Intake for current Year results :
  - o DM, Intake : 2 Results : 100%
  - o Fellowships in Paediatric Anaesthesia, Intake: 2

## Pediatric Surgery

- Mch. Paediatric Surgery
- Newly started Fellowship course in surgery for newborns and children

## Pharmacology and Therapeutics

Courses Offered	Intake for the current year
MBBS	250
MD Pharmacology	10

- Teaching sessions for the students of II MBBS, II year BOPh, II-year BPTh, II year, BPMT and II-year Nursing students of the college were conducted offline & online using Microsoft Teams App.
- 82 lectures and 73 SGD's/ Practicals / SDLs were conducted for the January 2024 CBME Batch. 36 lectures and 45 SGD's/ Practicals / SDLs were conducted for the September 2024 CBME Batch
- 38 Journal Clubs and 78 Seminars were conducted for PG students of pharmacology.
- Postgraduate students in their second year of residency were posted in various Pharmaceutical companies such as Abbott, Glenmark, Zydus, AstraZeneca as a part of training for 2 months.

### *Library*

- Currently holding 820 books. Twenty new books were added in 2024.

## Physiology

- Dr. Munira Hirani was faculty for various faculty development programs in MET at Seth G. S. Medical College & KEM Hospital.
  - o Faculty attended training courses in Basic course in Biomedical research and training in Basic Course workshop in Medical Education technology.
- Workshops for training in CPR were conducted for I MBBS students in collaboration with Anesthesia department.

- Training for achieving competence in regional language, professionalism and ethics were organized by the department for I MBBS student
- Developed a departmental skill lab for skill based training for undergraduate students
- Courses offered & intake for the current year is following: Postgraduate degree course in Human Physiology-00, I MBBS-250, FYBOTH /FYBPTH -40+40, III year OT-40, Bachelor of Para-Medical Technology 1st & 2nd year- 25.
- Conducting teaching program for Masters in Sports Science (Mumbai University) & for Bachelors in Biomedical Engineering, Vidyalkar Institute of Technology

#### *Student activity:*

- Seminars were presented by I MBBS students on topics of clinical relevance.
- Scholarship examination was held for I MBBS students (Shirwalkar examination).

#### *New courses added – NIL*

#### *Library*

- Total no. of books in the departmental Library = 1663

### **Physiotherapy**

- Dr. Sarla K. was awarded PhD at MUHS under the guidance of Prof. Bhavana Mhatre.
- Pre PhD Viva was successfully conducted for 6 PhD scholars in 2024

### **Plastic Surgery**

- M.Ch Plastic Surgery: annual admission 4 students

### **Psychiatry**

- International /National Observers/Trainees in Psychology-366
- Courses Offered and intake in the year 2024:
  - o M.D. (PSYCHIATRY)–6
  - o PDF (DE-ADDICTION)–2

#### *New Courses/Activities:*

- 2 Fellows registered for MUHS-approved one year Fellowship course in De-addiction in 2024;

#### *Library*

- Books on Psychiatry and Allied Subjects: Kaplan & Saddock's Comprehensive Textbook of Psychiatry, Kaplan and Saddock's Synopsis of Psychiatry, Oxford Textbook of Psychiatry, Fish Psychopatholog.

### **Pulmonary Medicine and EPRC**

- First prize in quiz on allergy & asthma- Advanced Course on Diagnosis of Allergy & Immunotherapy (25th Nov.2024)
- First Prize in Quiz at the 1st Endobronchial Ultrasound Workshop held at PD Hinduja National Hospital & Medical Research Centre (8th Feb.2024)
- Organised quiz competition for medical students on World Environment Day (5th June 2024)
- First batch of DM Pulmonary Medicine course students successfully passed the certifying examination. (First in the State of Maharashtra)

### **Surgical Gastroenterology**

- One Year MUHS Fellowship in Minimal Access Surgery with intake of two students every year
- One Year MUHS Fellowship in HPB Surgery with intake of two student every year
- Conducted Quarterly Basic Laparoscopic Instructional Course for Surgeons from Periphery.
- Maharashtra Govt Sponsored One Fellowship for Rural Surgeons in GI Surgery.

#### *Library*

- E Library with all relevant GI surgery books and online Journals available.
- All the relevant GI Surgery text books are available in the department.



**Transfusion Medicine**

- Lectures are taken for second M.B.B.S. students, D.M.LT. Students, O.T. and P.T. students and the nursing students from S.N.D.T& various colleges.
- Lectures are taken for BPMT students.
- Department has well equipped library with the latest books and Journals on Blood Transfusion and Immunohaematology.

**Urology**

- The department has a full-fledged training programme for M.Ch. residents since 1980 which is recognized by the University of Mumbai.
- It is also recognized by the Medical Council of India (MCI) and National Board of Examination, New Delhi to train DNB urology candidates.



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# Patient Care

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# Patient Care

## Anesthesia

- Anaesthesiology department catered to 43 operation theater tables located in 15 OT complexes. Anaesthesia services were given to about 67,000 surgical patients & the department catered to 25,000 Anaesthesia OPD patients for pre-operative evaluation.
- The department has special post-operative pain relief services and anaesthesia intensive care unit.
- Anesthesia services have started in MRI and additional OR tables in Orthopedic OT, Spine, Urology, EMS. Pain OT started in November 2024.
- Anaesthesia services were given for workshops conducted in the following specialties : Urology OT, Plastic Surgery OT, Orthopaedic OT, Spine OT, ENT OT, General Surgery OT & G.I. OT.

## Biochemistry

Name and Number of tests done annually in CCBL and EMS Laboratory from Jan 2024 to Dec 2024

Sr. No	Name of Parameter	Total number of tests	
		CCBL	EMS
1.	Blood Sugar	204749	72119
2.	Sr Creatinine	239191	123271
3.	Blood Urea Nitrogen	235193	166005
4.	Serum Total Protein	269552	NA
5.	Serum Albumin	269552	NA
6.	Serum Alkaline Phosphatase	275173	NA
7.	SGOT	276858	NA
8.	SGPT	276858	NA
9.	Serum Uric Acid	32949	NA
10.	Serum Bilirubin (Direct & Indirect)	59538	7879
11.	Serum Electrolyte	147493 x 3	135582 x 3
12.	Calcium	120270	NA
13.	Phosphorus	69168	NA
	<b>TOTAL</b>	2771538	776022

## CCBL LIPID Profile and fluids

Number of tests done in 2024

Sr. No.	Name of test Parameter	Total number of tests
1	ADA	2312
2	Total CK	3112
3	CKMB	3220
4	Amylase	1485
5	LDH	14720
6	Cholesterol	27954
7	LDL	20145
8	HDL	20145
9	Triglyceride	28195
10	CRP	646
	Total	121934

## Cardiology

No. of Procedures done in Siemens & Philips Cath Lab in 2024

Sr. No.	Types of Procedures	No. of Procedures
1	Coronary Angiography	1795
2	BMV	86
3	BPV	4
4	BAV	5
5	ASD Device Closure	43
6	VSD Device closure	8
7	RSOV Device closure	4
8	PDA Device Closure	12
9	PCI with stent	910
10	Bifurcation PCI with stent	32
11	Rotablation	18
12	Renal artery angioplasty with stenting	8
13	Electrophysiology Study and Radio Frequency Ablation	108
14	PPI Implantation	110
15	Diagnostic Catheterization	45
16	AICD implantation	12
17	CRT implantation	6
18	Coarctoplasty	6
19	TAVI	4
20	MitraClip	4
21	TEVAR	4
22	BAS	1
23	LPA Stenting	1
24	Left SCV Plug	1
	<b>Total No. of procedures</b>	<b>3227</b>

- Total No. of patients admitted in ICCU : 1958
- Total No. of patient admitted in Wd. 32 : 3654
- Total no. of patients undergoing CST : 1286
- Total no. of patients undergoing CPET : 49
- Total no. of patients done 2D ECHO/CD : 3560
- ECG : 37483
- Holter testing : 276
- CVTC OPD : 50783

### Cardiac Anaesthesia

- Open heart procedures daily
- Cath lab services daily
- Interventional procedures in pulmonary medicine

Cath lab total procedures - 3227

Total surgeries CVTS - Cardiac 649

Thoracic 24

Vascular 197

Pediatric cardiac CT / MRI : Every saturday

## Cardiovascular and Thoracic Surgery

### Out Patient Services

Four Outpatient Clinics are conducted every week

Place CVTC Building, Ground Floor (307)

Days Monday/Wednesday (Dr.DVK Unit)

Tuesday / Friday (Dr.U EJ Unit)

Timing 1.30 pm Onwards

New patients as well as follow-up patients are seen in the OPD. The follow up clinics are especially important for those who have undergone complex congenital heart surgeries, valve replacement surgeries who need their anticoagulation management under supervision and congenital heart surgeries whose palliation has been done for evaluation for completion procedures. Till 20th December, around 1500 new cases were evaluated for various Cardiac Thoracic and Vascular ailments.

OPERATIVE WORK: Details, Total Admissions: 657

Total Surgeries: (Cardiac: 649 / Thoracic: 24 / Vascular - 197)

## Clinical Hematology

This year we have seen around 32802 patients in OPD basis and day care basis.

We have a emergency service for bleeding disorder and hematological malignancies patients.

### *Hematology day care Centre*

- With the help Cuddles Foundation we have a dedicated nutritionist trained in cancer nutrition works in hematology dept and this foundation provides nutrition supplement and ration to pediatric cancer patients. We have also started RUTF nutrition supplement programme for paediatric patients
- Cankids organization has started their support programme in the department of hematology their Medical social worker and counselor counsel and help the patient regarding the chemotherapy, financial assistance, helping to get accommodation and other patient needs.

### *In Patient Service*

- BEDS: Total - 25 [Allotted].
- PLACE: Ward 42, 10th Floor, East Wing, M S Building, K.E.M Hospital Campus, Parel, Mumbai - PIN 400 012.
- **Indoor Service:** Ward 42

Year of 2023		
Month	Admission	Death
January	83	01
February	68	03
March	75	02
April	69	02
May	74	03
June	76	03
July	89	04
August	78	01
September	62	03
October	64	05
November	61	01
Dec till date	-	-
<b>Total</b>	<b>799</b>	<b>28</b>

### *Day Care: Hematology day care*

The department runs a day care, for patients to be given treatment on a day care basis.

This includes patients of:

- Thalessemia for blood transfusions,
- Bone marrow failure syndromes for blood & platelet transfusion
- Hemophilia's & other coagulation disorders for factor treatment and physical therapy
- Platelet disorders for transfusions
- Leukemias & lymphomas for chemotherapy, oral, I, V, & Intrathecal.
- Other hematological disorders
- **Number of patients treated in Day care**

Month	No. of Patients
January	1181
February	1281
March	1386
April	1515
May	1736
June	1330
July	1357
August	1325
September	1226
October	1379
November	1111
Dec till date	611
<b>Total</b>	<b>15438</b>

*Number of OPD patients (Hematology Dept.)*

Number of OPD patients	New patients	Old patients	Total
January	440	1234	1674
February	405	1335	1740
March	375	1127	1502
April	493	1320	1813
May	487	1447	1934
June	411	1120	1531
July	415	1051	1466
August	363	1327	1690
September	454	1340	1794
October	418	1398	1816
November	378	1147	1525
December	257	861	1118
Total	4896 (Till 18.12.24)	14707 (Till 18.12.24)	19603 (Till 18.12.24)

*Name of the Investigations in the dept. of Hematology Laboratory (10<sup>th</sup> floor)*

Various Tests such as Hemogram, Bone Marrow aspiration, Biopsies, Hemolytic Workup, Haemostatic Work up done

The Hematology **Laboratory** is situated on the 10th Floor, Multistory Building. Various Tests such as Hemogram, Bone Marrow aspiration, Biopsies, Hemolytic Workup, Haemostatic Work up and Iron studies are done. A month wise statistical breakup of the various tests during 2023 is as follows: -

Month	HB	Retic	TC/DC	ESR	Plt.C	BMA
January	1531	329	1531	07	1531	69
February	1454	369	1454	02	1454	83
March	1687	367	1687	10	1687	97
April	1686	452	1686	-	1686	106
May	1806	444	1806	01	1806	108
June	1615	488	1615	06	1615	87
July	1684	402	1684	02	1684	100
August	1428	307	1428	02	1426	65
September	1633	335	1633	-	1633	100
October	1650	351	1650	03	1650	127
November	1462	301	1462	03	1462	80
December	1312	282	1268	04	1360	106
<b>Total</b>	18948	4427	18904	40	18994	1128



Month	PT	APTT	Fibrinogen	HbEPP
January	153	97	81	-
February	141	103	71	07
March	205	153	136	26
April	76	54	48	16
May	116	90	74	15
June	211	115	102	Machine is not working from June 2024 to Dec. Till date
July	100	67	62	
August	139	106	98	
September	113	84	73	
October	111	78	70	
November	117	65	61	
December	125	45	47	
<b>Total</b>	<b>1607</b>	<b>1057</b>	<b>923</b>	<b>64</b>

## Clinical Pharmacology

### Therapeutic Drug Monitoring OPD

Total Patients seen	1390
Follow-up patient seen	443
New patients seen	947

### Drug wise patients who reported to TDM OPD

Name of the drugs	Total number of patients
Valproate	497
Phenobarbitone	72
Phenytoin	215
Carbamazepine	97
Lamotrigine	35
Levetiracetam	421
Voriconazole	46
Vancomycin	08

### Malaria OPD

Total Number of Slides screened	2084
Total Positive	52
Total Number positive for <i>P.Vivax</i>	45
Total Number positive for <i>P.falciparum</i>	07
Total Number positive for mixed infections	00

### Lithium Data

Total number of patients	45
New patients	22
Old patients	23

### Pharmacogenetics OPD

- Total number of patients seen: 689
- Warfarin – 117
- Clopidogrel- 50
- Azathioprine – 227
- Mercaptopurine and Thioguanine – 243
- Tacrolimus- 52

*ADR Reporting*

- Total ADR reported: 2890
- Focused Pharmacovigilance (Cardiology, Endocrinology, Clinical Hematology): 20

**Community Medicine**

- General OPD Services 2024

	Male	Female	Total
GOPD	21586	17941	39516

- Immunization OPD

*Annual Report from Jan 2024 to 15th Dec 2024*

Vaccination	Male		Female		Total
	<1Year	>1Year	<1Year	>1Year	
OPV0	2104	-	2001	-	4105
BCG	2104	-	2001	-	4105
Penta1,OPV1,Rota 1	348	-	306	-	654
Penta2,OPV2,Rota 2	247	-	176	-	423
Penta3,OPV3,Rota 3	217	-	171	-	388
IPV1	348	-	306	-	654
IPV2	217	-	171	-	388
Measles	174	-	131	-	305
DPTB1	-	140	-	96	236
MMR	-	138	-	90	228
DPTB2	-	92	-	61	153
PCV1	348	-	306	-	654
PCV2	217	-	171	-	388
PCV3	88	-	51	-	139
Inj.TT	-	-	-	-	-
Total	6412	370	5791	247	12820

*Yellow Fever & Adult OPV Vaccination OPD 2024*

Yellow Fever Vaccine Beneficiaries	Adult OPV Beneficiaries
<b>2068</b>	<b>782</b>

*Oral and Breast Cancer Screening OPD 2024*

Number of patients screened			Patients with positive finding			
Oral cancer		Breast	Oral cancer			Breast
M	F	total	M	F	total	F
<b>1497</b>	<b>165</b>	<b>1662</b>	<b>331</b>	<b>25</b>	<b>358</b>	<b>184</b>

*NCD Corner Annual Report 2024*

Annual Summary Report of NCD Corner				Annexure I-A		
Name of Institution				KEM		
Sr. No	Indicator			Male	Female	Total
A	Total number of Individuals screened			4743	1914	6657
B	HYPERTENSION					
1	Total New suspects for Hypertension			444	104	548
2	Total new suspects of Hypertension referred for confirmation			309	73	382
3	Total New confirmed for Hypertension			156	42	198
4	Total K/C/O of Hypertension attended			502	201	703
5	Total K/C/O of Hypertension referred			93	23	116

Annual Summary Report of NCD Corner		Annexure I-A		
Name of Institution		KEM		
Sr. No	Indicator	Male	Female	Total
C	DIABETES			
1	Total New suspects of Diabetes (RBS >140 mg/dl)	857	382	1239
2	Total New suspects of Diabetes referred for confirmation	318	116	434
3	Total New confirmed for Diabetes (FBS: >=126 / PPBS: >=200)	178	57	235
4	Total Prediabetic Confirmed After (FBS: 100 - 125 / PPBS: 140 - 199)	38	16	54
5	Total K/C/O of Diabetes attended	390	127	517
6	Total K/C/O of Diabetes referred	149	53	203
D	BOTH HYPERTENSION AND DIABETES			
1	Total New suspects having both Diabetes + Hypertension	991	267	1258
2	Total new suspects of DM + HTN referred for confirmation	508	137	645
3	Total New confirmed for DM+HTN	181	53	234

### Disease Surveillance Report

Indoor Admission in KEM Hospital in 2024												
Month	Fever	AGE	Lepto	Dengue		Malaria			Hepatitis		Enteric Fever	H1 N1
				ELISA	Rapid	P. Vivax	P. Falci.	Mixed	A	E		
Total	1048	64	171	362	63	117	27	4	1	0	23	33

The total cases (disease under surveillance) admitted in KEM Hospital this year were **1913**

### Palliative Care Services Report - Jan to Dec 2024

A memorandum of understanding was signed between KEM Hospital and Tata Hospital in July 2024 and the Palliative Care OPD gained impetus through the same 36 new patients in the ward, 13 new patients in the ICU and 3 new cases in the OPD ie a total of 52 patients were given palliative care from July to December 2024. Follow up visits of these patients were done.

### Dentistry

- Total OPD patients – 13054
- Procedures done -  
Extractions – 810  
Root canals – 771  
Restorative work (fillings) – 482  
FPD/RPD – 226  
Major and minor surgeries – 175  
Dental Implants for missing teeth – 36  
Dental management and oral hygiene in hemophilia patients - 90  
Single visit root canal treatments for patients with hemophilia & allied bleeding disorders - 14  
Dental treatment in general anesthesia for medically compromised children – 1  
Natal and neonatal tooth extractions – 1

### Dermatology

- No. of OPD patients per day- 400-500/day
- No. of Biopsies done per day- 7-10/day
- No. of IPD patients per week- 08-10/week
- No. of procedures done (EC/RF/Peels/ILS/Needling)- 150-200/week
- No. of Platelet Rich Plasma (PRP) done per week- 20-25/week
- No. of various LASERS done per week- 15-22/week
- No. of minor OT procedures done - 12-15/week
- Biologicals like Injection Rituximab is given to non-affording patients of Vesiculobullous diseases under RGJAY.
- Use of advanced surgical modalities like Non-Cultured Melanocyte Transfer, SMASH Grafting, Split thickness skin Grafting for treatment of Vitiligo patients.

- Multiplatform LASER, IPL, Q-Switch Nd-YAG, Erbium LASERS for Acne scars, Skin rejuvenation, Hirsutism, Pigmentation are done under Cosmetology and Vitiligo Special OPDs. Excimer light for localized vitiligo and psoriasis.
- Patient awareness posters regarding Acne, Hair, Psoriasis, Vitiligo, Pediatric dermatoses, Cosmetology, Various procedures, and Leprosy are present in Skin OPD educating patients regarding the prevention and management of these common skin problems.
- Various chemical peels, PRF, iPRF & PRP injection for hair loss and wound healing, biological fillers for atrophic scars and facial contouring and revision surgeries are done under Cosmetology Special OPD.
- Botulinum toxin injection for palmar hyperhidrosis
- Other procedures: Cryotherapy, Intralesional steroid injections, Radiofrequency ablation, Subcision for acne scars, and Diphenycyclopropanone (DPCP) application for alopecia areata

## Endocrinology

All services are carried at OPD No. 103, 1<sup>st</sup> floor, OPD building, Seth GSMC and KEM Hospital, Parel, Mumbai.

Sr No	Days	OPD	Timing
1	Monday	Diabetes OPD (New Patients) , Diabetes Foot Clinic	8.30 am to 10.30 am
2	Tuesday	Diabetes OPD, Diabetes Foot Clinic	8.30 am to 10.30 am
		Thyroid OPD & Obesity Clinic	1.30 pm to 3.30 pm
3	Wednesday	No OPD	
4	Thursday	P&G OPD, Endocrine Oncology OPD & Adrenal Disorder Clinic	8.30 am to 10.30 am
5	Friday	Diabetes OPD(New Patients), Diabetes Foot Clinic, P&G OPD, Endocrine Oncology OPD & Adrenal Disorder Clinic	8.30 am to 10.30 am
		Thyroid OPD & Obesity Clinic	1.30 pm to 3.30 pm
6	Saturday	Diabetes OPD, Diabetes Foot Clinic	8.30 am to 10.30 am

Indoor admission: 607

Outdoor patients: 41472

### Hormone Assay :

Sr. No	Test	Total Tests Done		Test	Total Tests Done in 2024
1	FBS	6533	10	Testo	2001
2	HbA1c	23835	11	Cortisol	2977
3	T3	14339	12	PTH	4652
4	T4	15259	13	ACTH	866
5	TSH	26505	14	IGF1	1202
6	AMA	2636	15	GH	847
7	FSH	3215	16	FT3	4076
8	LH	3086	17	FT4	5090
9	PRL	1669			

Gestational diabetes cases seen on all days.

## ENT

- No. of OPD's run: **one OPD(NO 107)**
- Frequency of OPD: **All days of week (Except Sunday )**
- Annual OPD Attendance: **44556 patients**
- Annual IPD: 1529
- Number of surgeries conducted: 1606
- Number Audiometry Testing Done: 4035

## Forensic Medicine and Toxicology

- Total Post-mortem Cases – 1287 till date
- Total Ante-mortem cases – 257
- Medicolegal Autopsy conducted on deceased forwarded for Post Mortem Examination by Investigation Officer.

- Estimation of age including sportsperson & others status. Consultation to surgery & medicine wards regarding the injury certificates in admitted cases.
- Expert opinions given on different Ante-mortem Cases Like: Sexual Assaults, Violent Asphyxias, Poisoning Cases & Crime Scene Visit.
- Forensic Odontology Expert Opinion given on cases of Sexual Assault, identification of unknown & Age assessment.

## **Gastroenterology**

- O.P.D. Patients :
  - o New patients : 7423
  - o Follow up patients: 21884
- Indoor Patients admitted to Gastroenterology wards (32A & 41) :1552
- Procedures
  - Diagnostic
    - o Upper GI Scopy : 3360
    - o Colonoscopy : 1250
    - o E.R.C.P. : 825
    - o Proctoscopy : 650
    - o Liver Biopsy : 85
    - o EUS procedures : 625
  - Therapeutic Procedures
    1. Esophageal Variceal Sclerotherapy :68
    2. Esophageal Variceal Band / Loop Ligation : 1246
    3. Endoscopic clipping for bleeding lesions/ polyps :86
    4. Esophageal Dilatation :910
    5. Esophageal Prosthesis Placement :18
    6. Gastric varices with glue :172
    7. Bleeding Ulcer Injection :64
    8. EUS therapeutic Biopsy :132
    9. Argon Plasma Coagulation :92
    10. Endoscopic biliary sphincterotomy :740
    11. Endoscopic pancreatic sphincterotomy and drainage : 140
    14. Foreign Body removal :62
    15. Percutaneous endoscopic gastrostomy :15
    16. Rectal Stricture Dilatation : 24
      - o Capsule endoscopy :12
      - o Therapeutic EUS : 64
      - o ESD : 15
      - o Esophageal- POEM-45
      - o Gastric POEM- 3
      - o TEG-63
      - o Fibro scan-1797
      - o Manometry
        - o Esophageal-123, Anorectal- 86, PH metrey- 06

## **General Surgery**

- Total admission: 13,045
- New OPD: 33,455
- Old OPD: 20016
- Total OPD pts: 53,471
- Breast clinic new patients: 1505
- Breast clinic follow-up patients: 589
- Total Breast clinic cases: 2094

- Major Sx: Elective OT: 2353; Laparoscopy Surgery: 1014
- Major Sx Emergency OT: 1733
- Minor Sx Emergency: 638
- Minor Surgery OT MSOT: 866

General Surgery Manages the following services.

Department is proud to have services for Basic and Advance Laparoscopic Surgeries, Surgery for Haematological disorder, Endocrine disorder, Trauma and Critical Care, Gastro-intestinal Surgery, Hernia besides general surgery, neonatal parathyroid surgery.

## Medicine

Indoor patients: 13292

MICU/ EMS ICU patients : MICU 895, Stroke ICU-94, Total- 989

General Medicine OPD : New : 13,635 Old : 19,453

Superspeciality OPDs :

Sr. No	OPD	Faculty	Day & Time	Patients load
1	Rheumatology OPD	Dr. MYN, Dr. AGR Dr. AKS Dr. Shraddha Dr. Vinayak	Tuesday & Saturday 8:30am to 12 noon	New:- 600 Follow up:- 3500
2	Virology OPD	Dr. KSJ Dr. Juhi	Thursday 08:30am to 12 noon	New:- 700 Follow up:- 750
3	Hypertension OPD	Dr. SBS Dr. Smrati	Wednesday 08:30am to 12 noon	New:- 500 Follow up:- 1800
4	Geriatric OPD	Dr. Meghna	Thursday 01:30 pm to 03:00pm	New:- 12 Follow up:- 280
5	Infectious Disease OPD	Dr. KDS	Friday 13:30-15:00	New:-95 Follow up:-30
6	Palliative Care OPD	Dr. KDS	Thursday 8:30-10:30AM	New:- 11 Follow up:-39

MICU patient care

1. Care of critically ill patients like complicated tropical illnesses e.g. No of patient Treated in MICU - 1151  
Critical patients -995 (out of which Stroke patients – 125) ,  
Maternal (ANC & PNC)- 156
2. Started invasive BP Monitoring ( Arterial Line)
3. Done CRRT for indicated critical patients with coordination through GI MEDICINE Department.
4. Successfully managed patients requiring prolonged ICU stay and Critical Care of Tetanus, Refractory GBS, Refractory Senior Critical Care Consultants are appointed for expert opinion of critically ill patient & also brainstem death evaluation and further organ donation process.

New facilities provided:

- i. 30 Multipara Monitors & 1 USG & 1 2D Echo Machine for Critically ill patients.
- ii. 2 HD Machine are installed in ICU for Dialysis and Plasmapheresis.
- iii. 1 ECG machine and 2 Defibrillator procured for patient care
- iv. Ems Intensive care unit having 15 beds and ventilators, 8 multipara monitors managing emergency cases like myocardial infarction, GBS, tropical illnesses, poisoning, needing monitoring and ventilator treatment.

## Microbiology

Section	Workload
<b>Bacteriology including Emergency laboratory</b>	
Samples processed	88172
Antibiotic susceptibility tests	142515
BACTEC	3614

Section	Workload
Vitek rapid ID and AST	ID - 243; AST – 375
VITEK MS Prime (MALDI-ToF)	2585
<b>Total</b>	<b>237504</b>
<b>Virology and Immunology</b>	
HIV serology	45573
HBV serology	50039
HCV serology	50044
RPR	9973
CD4 count	4477
Viral Load (HIV)	27845
<b>Total</b>	<b>187951</b>
<b>Serology</b>	
Leptospirosis Ab (ELISA)	13875
Dengue NS1 (ELISA)	13899
Dengue IgM (ELISA)	13870
Widal	1332
Others	4298
Chikungunya IgM	1823
<b>Total</b>	<b>49097</b>
<b>Mycobacteriology</b>	
Microscopy – LED fluorescence (pulmonary)	107
Microscopy – LED fluorescence (extra-pulmonary)	425
GeneXpert (CBNAAT)	9557
TrueNAT	1352
MGIT culture and DST (as per programmatic directions)	3225 298
<b>Total</b>	<b>14964</b>
<b>Mycology</b>	
Samples processed	5253
MALDI	205
VITEK ID-AFST	196
Sensititre	65
PCP	48
Cryptococcal antigen detection	26
<b>Total</b>	<b>5793</b>
<b>Parasitology</b>	
Stool examination (routine) including opportunistic parasites	7744
Malaria Antigen Test	23557
<b>Total</b>	<b>31301</b>
<b>Molecular diagnosis / VRDL</b>	
COVID-19 RT-PCR	4900
Influenza RT- PCR	697
CMV q PCR for nephrology patients	141
CSF neurovirus PCR	619
RSV RT-PCR	424
Respiratory viruses	88
<b>Total</b>	<b>6869</b>
<b>Emergency Laboratory</b>	
Bacteriology	17878

Section	Workload
Rapid Dengue NS1	14173
Rapid Dengue IgM antibody	14173
Rapid IgM antibody for leptospirosis	14173
Rapid malaria antigen test	14079
Rapid test for HHH (since 9 <sup>th</sup> Aug 2024)	18840
Mycology	463
<b>Total</b>	<b>93779</b>
<b>Grand Total</b>	<b>627258</b>

## Neonatology

Neonatal Intensive Care Unit: 42 Beds

Patient care areas	Type of Services	Number of beds
Inborn Unit	Inborn aseptic neonatal care area	13
Inborn - Outborn Unit	Inborn septic & out born neonatal care area	12
Transitional Care Unit	Intermediate care area	12
Ventilation Unit	Advanced ventilatory care area	05

**Inborn Unit:** Neonates born in K.E.M. Hospital are managed in this unit.

**Inborn – Out born Unit:** Neonates in K.E.M. hospital at risk of infection and neonates transferred from other municipal or private hospitals are managed here.

**Transitional Care Unit:** This section renders transitional convalescent care to neonates once the acute stage of disease is managed in intensive care units. The babies who do not require close and continuous monitoring are looked after here.

**Ventilation Unit:** The babies requiring advanced ventilatory care are closely monitored and managed here.

**Palliative Care Unit:** Very sick babies who are nursed in any of the above sections are given supportive care, psychological counselling, and social support.

**Comprehensive Lactation Management Centre:** Human milk bank is an institution established for the purpose of collecting, screening processing, storing & distributing donated human milk that is dispensed to recipients who are not the biological off springs of the donor mother.

**Kangaroo Mother Care Center:** The department is selected as the center of excellence in India for initiating Kangaroo Mother Care for low birth weight babies. Kangaroo Mother Care Center is the first & the only of its kind in the country.

Neonates, recipients of KMC, are regularly followed up here.

Total number of neonates born	4668
Total number of LBW neonates	1750
Total number of NICU admissions	1300
Total number of KMC recipients	900

New Facilities provided:

- Pain and palliative care services to sick newborns.
- Initiation of NPC Software to track the patients enrolled in NPC project and for follow up

## Nephrology

- This year marks the second year of Dr VN Acharya glomerulonephritis registry which was established in January 2023. Registry intends to ensure quality improvement in the treatment of patients with various GNs, facilitate long term longitudinal follow up, and create a platform for research. It has enrolled 544 patients till now. The first report of registry was presented at the Asia Pacific Society of Nephrology conference at Seoul Korea in August 2024.
- CAPD programme of home dialysis treatment was included in MPJAY govt insurance scheme. This program has enrolled 58 patients till date. It has proved an immensely helpful modality of kidney replacement therapy in children and adults.
- Services of the Intervention Nephrology Division of the department of Nephrology are being expanded to include Operation Theatre for AV Fistula creation
- **28** Live related renal transplants and **7** deceased donor renal transplants were performed from Jan 2024 upto 10<sup>th</sup> December 2024. All these patients are regularly following up at transplant clinic of the department. Total number of kidney transplants performed till date is 826.



- ICU dialysis facility is successfully running for critically ill patients in Medical Intensive Care Unit (MICU), CVTS ICU, SICU, Pediatric ICU, Respiratory ICU, and AICU.
- Continuous Renal Replacement Therapy (CRRT) was introduced as a modality to support critically ill patient
- Awareness program for patients – empowerment through employment was conducted in association with the Social Service Department and Kidney Warrior Foundation in Nov 2024. It was well appreciated and attended by over 60 patients and their caregivers
- A ‘Hand Transplant’ team is now functional in which we are involved in pre-transplant assessment and post-transplant medical management including immunosuppression regimen.
- Euroimmun Analyzer- I -2P - Automated ELISA reader with high throughput for various immunological tests was successfully installed.
- Nephrology lab successfully established and standardized evaluation of Urinary Calcium /creatinine ratio, urinary phosphorus, IDMS traceable creatinine estimation.
- Nephrology lab established testing for CAPD adequacy highly useful for the CAPD program
  - o Nephrology Department provides indoor, outdoor and emergency services for patients suffering from renal diseases. Facilities available are clinical nephrology, dialysis and kidney transplantation. Laboratory services dedicated to kidney diseases are also offered.
  - o Expanding services of the Intervention Nephrology Division of the department of Nephrology to include Operation Theatre for AV Fistula creation
  - o **28** Live related renal transplants and **7** deceased donor renal transplants were done in 2024. All the patients are regularly following up in transplant clinic.
  - o A ‘Hand Transplant’ team is now functional in which we are involved in pre-transplant assessment and post-transplant medical management including immunosuppression regimen.
  - o ICU dialysis facility started for critically ill patients in EMS- ICU (Medical Intensive Care Unit), MICU, CVTS ICU, SICU, Paediatric ICU, AICU.
  - o Continuous Renal Replacement Therapy (CRRT) was introduced as a modality to support critically ill patient
  - o ABPM (Ambulatory Blood Pressure Monitoring) services started for patients with hypertension.
  - o Annual OPD attendance in 2024 till date – 4066 [New Pt OPD] + 5410 [ follow-up patients] = **9476**
  - o Establishing onco-nephrology services for catering to specialised needs of patients with cancer and kidney disease
  - o Annual inpatient admissions in ward 34 and 34A: **1327**
  - o No of dialysis sessions done in 2024 till date: **10918**
  - o No. of kidney biopsies done in 2024: **193**
  - o No. of tunnelled cuffed catheters inserted in 2024: **118**
  - o No. of patients initiated on CAPD: **30**

#### Expansion of laboratory services-

- New state-of-the-art laboratory equipment acquired for laboratory work from donation - Euroimmune Analyzer – I2P - Automated ELISA reader with high throughput for various immunological tests.
- Nephrology lab successfully established and standardized evaluation of Urinary Calcium /creatinine ratio, IDMS traceable serum creatinine and Peritoneal Equilibration Test (PET) for patients on chronic ambulatory peritoneal dialysis (CAPD).

#### Annual

Workload for the Year 2024												
Month	Urine Routine	24 hr Protein	24 hr Creat	24 hr Cal	24 hr Urea	Spot P/C	Spot Cal	Urine Ph	Phase Contrast	U Phos	Spot Urea	Total
January	1820	1144	34	21	2	78	13	26	1	0	0	3139
February	1560	740	30	18	2	79	70	9	0	0	0	2508
March	1550	970	29	105	129	17	16	0	0	0	0	2726
April	1572	1142	163	20	13	188	32	17	0	1	0	3148
May	1567	995	74	14	3	164	38	27	3	1	0	2886
June	1657	1016	71	7	5	186	53	38	0	1	0	3034
July	1661	1013	45	11	14	211	47	35	1	0	0	3038
August	1556	996	34	16	7	206	31	32	2	2	3	2885

Workload for the Year 2024												
Month	Urine Routine	24 hr Protein	24 hr Creat	24 hr Cal	24 hr Urea	Spot P/C	Spot Cal	Urine Ph	Phase Contrast	U Phos	Spot Urea	Total
September	1445	909	17	4	4	197	35	17	1	2	5	2636
October	1564	982	24	5	5	200	32	19	0	0	2	2833
November	1424	823	23	6	3	170	29	20	0	1	1	2500
Till 11/12/24	592	319	18	0	1	73	15	6	0	0	2	<b>1026</b>
<b>Grand Total</b>												<b>32359</b>

### Laboratory Workload Record 2024

Workload for the Year 2024											
Month	CBC	RC	Sugar (FBS / PLBS / GTT)	SR ELE	UR ELE	SR OSMO	UR OSMO	PD Fluid (RC / Sugar)	Dialysis Fluid	Total	
<b>January</b>	<b>1934</b>	<b>2078</b>	740	38	49	44	38	0	0	4921	
February	1801	1841	488	28	35	31	26	0	0	4250	
March	1760	1867	524	37	44	36	30	0	1	4299	
April	1954	1995	580	55	80	13	43	2	2	4724	
May	1974	1807	523	119	66	27	50	1	5	4572	
June	2043	2160	648	61	76	22	46	0	0	5056	
July	2153	2291	651	48	73	3	11	1	2	5233	
August	2072	2120	570	67	76	0	0	1	2	4908	
September	1923	1966	520	41	61	0	0	2	0	4513	
October	2132	2192	663	20	65	0	0	0	0	5072	
November	1936	1950	562	255	44	0	0	0	0	4747	
Till 11/12/24	727	743	223	189	17	0	0	0	0	1899	
<b>Grand Total</b>										<b>54194</b>	
Total Test for 2024 = 86,553											

## Neurology

*In the year -2024*

### Neurophysiology tests conducted:

Routine VEEG: 1745

Ictal VEEG: 341

Electromyography & Nerve Conduction study (EMG/NCS): 1625

### (II) Epilepsy Surgery

Surgeries conducted in 2024 - 42

ECOG Guided (ECOG): 31

Non ECOG Guided (Non –ECOG):11

2 epilepsy patients VNS procedure was successfully performed.

**(II) Neuropsychology** -279 psychological evaluations for Epilepsy Surgery and other neurological conditions including evaluations for fitness.

### (IV) OPD Services

Pre-operative & post-surgery counselling and guidance for Epilepsy patient.

Neurology New – 8273 patients (Jan-Nov 2024)

Neurology Old – 14115 patients per year (Jan-Nov 2024)

Epilepsy New – 1766 patients in the year (Jan-Nov 2024)

Epilepsy Old – 13562 patients in the year (Jan-Nov 2024)

Paediatric Epilepsy New –209 patients in the year

Paediatric Epilepsy Old - 827 patients in the year

Indoor Services – 992 patients

### **Stroke Center -**

Total 155 patient's thrombolysed till date.

16 Mechanical Thrombectomies performed in 2024 for Large Vessel Occlusion in Acute Ischemic Strokes. There is coordination with Neurosurgery and Interventional Neuroradiology departments for Mechanical thrombectomy for Acute Stroke.

### *Movement Disorder Clinic*

Dr. Pankaj Agarwal is honorary visiting Specialist in Movement Disorder.

Weekly Botox therapy given to Selected Patients every Wednesday.

### *Memory Clinic –*

**1536 new patients were evaluated apart from regular follow up patients having cognitive disorder in association with Department of Neuropsychology and Occupational therapy.**

2 caregiver sessions conducted for psychoeducation in association with department of Neuropsychology and occupational therapy.

**STROKE ICU:** 6 bedded dedicated Stroke ICU under multi-disciplinary care of Medicine, Neurology and Neurosurgery department.

**VEEG ward 10:** A new Epilepsy monitoring unit in ward 10 with 3 Long term Video-EEG machine facility. (1 new machine donated by GIC)

**VEEG ward 33:** Routine EEG services with 3 VEEG machines including one portable EEG for monitoring critically ill and patients with status epilepticus admitted in ICU in ward 33.

### **Neurosurgery**

- Spine surgeries- 25-30 per month
- Intracranial Tumors- 30-40 per month
- Vascular surgeries- 20-25 per month
- Endovascular interventions- 10-12 per month
- Pediatric surgeries- 6-8 per month
- Epilepsy surgery- 5-6 per month

### **Nuclear Medicine**

New services added:

F-18 NOTATATE scans for diagnosis of neuroendocrine tumor

### **Obstetrics and Gynecology**

Total OPD	27678
Old	22375
New	5303
Total Deliveries	4393
Vaginal	2017
LSCS	2376
Gyn surgeries total	535
Major	415
Minor	120
Ob Surgeries total	3693
Minor	859
Major	2834

*2024 (Gorc Lab Data)*

Cytology	4063
Urine	6069
Blood work CBC	9100
PT & Fib	6928
	<b>16028</b>
ICT	147
Blood group	4997
VDRL	4970

**Occupational Therapy***Specialized O.P.D Interventions:*

Sr. No.	Name	Building	OPD No.	Day	Timings
1	Musculoskeletal management for Hemophilia	Hemophilia Day care, New Building.	11th floor ,new building.	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
2..	Neurology- M.M.E. Fitness assessment and disability assessment. Memory clinic.	OT Block, K.E.M Hospital .	O.T.OPD-79	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
3	De-addiction: Intervention and Fitness certification.	Orthopedic Center	OT department in Ward 40	Mondays to Saturdays	9.00 am to -12.00 pm
4	Psychiatry: Intervention and Work Fitness Psy OT OPD services	Old K.E.M Hospital Building	OT OPD 79 OC,412.	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 12.00 pm & 1.00 pm to 4.00 pm
5.	Child Guidance Clinic –Learning Disability Certificate Evaluations.	OT dept-412, Orthopedic Center.	OT-412	Mondays to Fridays & Saturdays (Half Day)	9.00 am to 4.00 pm & 9.00 pm to 4.00 pm
6.	Kangaroo Mother Care	Behind Orthopedic Center		Mondays and Thursdays	10.00 am to 12.00 pm
7.	Sensory Integration Therapy	OT dept-412, Orthopedic Center	OT-412	Mondays to Fridays	1.00 pm to 4.00 pm
8	Cardiorespiratory Rehab. Fitness and Disability Assessments	CVTC Building, Room No. 4	Room No. 4, Ground floor	Mon to Fridays Saturday	9.00 am to 4.00 pm 9.00 am to 12.30 pm
9	Empowerment Clinic for Newborn Families	KEM Hospital Building	OPD 109	Thursday	9.00 am to 11am

**Ophthalmology**

- Post op care room adjacent to ot. Ward next to ot.
- Daily opd approx 250 patients
- Refraction: 150
- Retina: 70
- Cornea: 150
- Squint: 20
- Glaucoma: 20
- Occuloplasty: 10
- Monthly ot: 320
- Cataract : 200
- Retina: 20
- Glaucoma: 5
- Squint:10

- Occuplasty:10
- Cornea: 1-2
- Keratoconus surgery with collagen cross linking twice a month
- Corneal transplant - 12
- New facilities in opd optical coherence tomography angiography
- Fundus photo with fluorescein angiography
- Visual fields
- Indirect ophthalmoscopy with video-35
- Corneal topography - 25
- Slit lamp examination with photography
- Laser trabeculoplasty- 6/ month
- Nd Yag laser capsulotomy – 25
- Optical biometry: 200

## Orthopedics

- Complex traumatology, Spine surgery, Arthroplasty – Robotic Assisted and Conventional, Arthroscopy & Sports Medicine, Ilizarov & limb deformity correction, Paediatric Orthopaedics, Orthopaedic Oncology, Shoulder & Elbow subspecialty services, Hand surgery
- Routine Orthopaedic Operation Theatre: Has three functional theatre rooms. Out of all three have laminar flow. Renovated and renamed as Joint replacement Routine Orthopaedic Centre Operation Theatre.(JROCOT)
- Spine Surgery Operation Theatre: Has three functional theatre rooms. Fully renovated this year.
- Orthopaedic Trauma Services Theatre: (OTST) Two operating rooms located in the Emergency Medicine Services Complex.
- Orthopaedics Intensive Care Unit : One ICU room located in Spine OT.
- HDU : Fully functional with 8 beds.
- Daily OPD [New Patients 8:30-1:00, Follow-up Patients 1:30-4:30]
- 24 hr emergency services [OTST in EMS complex]
- Orthopaedics department started Orthopaedic intensive care unit (OICU) & HDU.

### Location:

- Office : 6th floor, M.S. Bldg. K.E.M. Hospital
- OPD : Opp. Tata Hospital, Orthopaedic Centre Gr. floor
- Wards : Ward 25, 26, 29 & 37 in M.S. Bldg.  
Ward 27, 28, 30 in OC Bldg. Orthopaedic Centre
- Email : ortho.hod.mmd@gmail.com

## Pathology

Investigation	Total
Hemogram/CBC	592608
Urine	48635
Fluids Routine	2772
CSF	2562
ABG	44348
PT	70866
FNAC	2265
Fluids & Sputum Cytology	1546
Surgical Histology (total Cases)	12456
Autopsy (total cases including histopath)	638
Immunology	29448
Biochem (lipids, enzymes CPK etc)	39340
MP	1278
Bone marrow biopsy	620

Investigation	Total
Special tests- Hemat	12860
<b>Total</b>	<b>857424</b>

## Pediatrics

*Table 1: Annual Patient Quantum in Various Clinical Services in Department of Pediatrics, Seth G.S. Medical College & KEM Hospital.*

Patient Services	2024 (1 <sup>st</sup> Jan 2024 to 30 <sup>th</sup> November 2024)
General Pediatric OPD	19685
Indoor Admissions	3639
EMS Attendance	13878
PICU Admissions	334
Under Five Clinic	3977
Pediatric Rheumatology Clinic	09
Pediatric Nephrology Clinic	132
Pediatric Chest Clinic	New-161, Old-299
Genetic Clinic	New-532, Old-164
School Clinic	978
Thalassemia day care center admissions	1172
Pediatric Epilepsy Clinic	New-374, Old-1248
Learning Disabilities Clinic	486 (413 certified)

*Table 2: Annual Quantum of Investigations done in Pediatric Research Laboratory in Department of Pediatrics, Seth G.S. Medical College & KEM Hospital*

Test	No. of Tests Performed (1 <sup>st</sup> Jan 2024 to 30 <sup>th</sup> November 2024)
Serum Ceruloplasmin	277
Serum Calcium	4924
Serum Phosphorus	4734
Serum Alkaline phosphatase	4744
Serum BUN	5294
Serum Creatinine	6022
Serum Total protein	4895
Serum Albumin	4822
Serum Uric acid	2270
Serum Total bilirubin	6855
Serum Direct bilirubin	6850
Serum SGOT	5363
Serum SGPT	5363
Serum Eletrolytes (Na+, K+,Cl-)	6162
Serum Cholesterol	1471
Serum Triglycerides	1393
Serum Glucose	500
Urinary Copper (24 Hours)	276
Urine MPS (Screening test by O-toluidin test)	25
Urine Calcium (Spot)	199
Urine Calcium (24 Hours)	5
Urine Phosphorus (Spot)	15
Urine Phosphorus (24 Hours)	0
Urine Albumin (spot)	225
Urine Albumin (24 Hours)	79

Test	No. of Tests Performed (1 <sup>st</sup> Jan 2024 to 30 <sup>th</sup> November 2024)
Urine Creatinine (spot)	356
Urine Creatinine (24 Hours)	13
Urine Glucose (Benedict's test)	105
Urine Porphobilinogen	9
Urinary pH	34
Urinary Ketones	4
Ammonia	1082
GGT	284
Serum Iron	23
Serum Amylase	15
Urine Uric acid	0
Urinary GAGs (MPS)	25

### Pediatric Anesthesia

- \* Paediatric Surgery OT daily
- Pediatric MRIs every Saturday
- Pediatric CT Scan every Friday
- The department caters to 3 operation theater tables located in Paediatric OT complex.
- Anaesthesia services - 2800 surgical patients & - 1800 for OPD patients
- Care and cover for sick children in the Paediatric Surgery 3 ICU,
- for children in remote locations such as Ophthalmology (63 cases), Gastroenterology (226 cases), MRI (562cases), and CT scan(41 cases).
- Aid the Paediatric department in securing difficult intravenous access via central/peripheral route.
- Use of real time ultrasound has been extended beyond regional and vascular access to include airway assessment, 2D Echo as well as abdominal and lung assessment.
- Increased use of target controlled infusion for delivery of total intravenous anaesthesia in Anesthesia services have started in MRI and additional OR tables in Orthopedic OT, Spine, Urology, EMS.

### Pediatric Surgery

- Patient Care
- Total OPD - 4729
- Total admissions – 1664
- Total no of Surgeries – 910
- Major surgeries – 765
- Minor surgeries – 145 The department has completed 46 cases of 3-D laparoscopy and 45 cases of laparoscopy with 4k system till date this year
- The department has completed cases using 22 HOLMIUM YAG LASER SYSTEM in 2024

### Pharmacology and Therapeutics

- OPD Services: Ayurveda Research Centre of the Department of Pharmacology and Therapeutics runs an Ayurveda OPD on Friday afternoon. In 2024, 1196 patients were registered in the OPD.
- IPD Services: Panchkarma and other therapeutic procedures were performed in the Ayurveda ward. Total number of admissions in 2024 were 466 (IPD).
- Analysis of Ayurvedic formulations for adulterants / heavy metals : 52 formulations were analyzed for synthetic steroids and of these 17 were found to contain synthetic steroids. 33 samples were received for detection of heavy metals out of which 15 were found to contain heavy metals.

## Physiotherapy

OPD : 39614beneficiaries	Indoor patients treated:104422
Musculoskeletal: 26208	KEMH ICU:14413
Hand OPD:2625	KEMH wards:30781
Neuroscience adult:2224	CVTC wards:5615
Neuroscience Paediatric:1022	CVTC ICUS:7104
Fitness & Health Promotion:1838	OC:45085
Cardiopulmonary Rehabilitation:4269	ANC PNC:524
Incontinence OPD: 45	
Geriatric OPD:157	
Paediatric OPD : 1226	

## Plastic Surgery

Year	2024
Indoor patients - Plastic surgery	766
Indoor patients – Burns	77
O.P.D. Patients	7337
Casualty Reference	737
Routine operations	2208
Emergency operations	4971

- **SPECIAL SERVICES FOR PATIENTS:** Comprehensive hand clinic, Thursday 2.30 pm Maxillofacial - Mondays, Ward 16, 2.30 pm
- **SPECIAL FACILITIES FOR PATIENTS:** Occupational Therapy services exclusively for our dept.
- Maxillofacial clinic (every Monday, 2.30 pm, ward 16) – services provided by plastic surgery and maxillofacial surgeons
- Hand clinic, every Thursday, OPD 1.30 pm – 3.30 pm by Plastic Surgeons, Occupational Therapists and Physiotherapists
- Hand transplant: These patients are individualized and have one resident allocated for help in completing all formalities of tests and referrals.
- Tissue Bank at KEM - We have attended and counseled 81 amnion and 54 skin calls. A total of 62 amnions and 2 skins were harvested. The skin and amnion have benefitted 42 patients over the year (Jan 2024 to Nov 2024)
- Round the clock Emergency Services are provided involving Maxillofacial injuries, Hand injuries, Skin cover for upper & lower limbs, Replantation & Revascularization of limbs and digits; Acute burns in adult females
- Besides Routine Plastic Surgery, the dept. specializes in cleft lip and palate, complex vascular malformations of head, face & limbs, T. M. joint ankylosis, lymphedema, skin tumors, management of absent vagina and intersex related problems, micro vascular surgery, aesthetic (cosmetic) surgeries etc.
- Joint Clinics: Hand and Maxillofacial Surgery.

## Psychiatry

Facilities Provided Are:

### General

- In the year 2024, the number of new patients seen in OPD were – 6695 (up to November 2024)
- On follow-up the number of patients examined were approximately – 23049
- Total no. of Indoor patients admission in Psychiatry were - 511
- **EEGs** Total no. of patients – 200
- **ECTs** Total no. of patients – 1126
- **Psychological testing** Total no. of patients – 1933
- **De-addiction Centre**
- OPD New cases – 1229
- Follow up cases – 11175
- Indoor Admissions – 191
- **Drug De-addiction Laboratory Work Report (Jan 2024 To Dec 2024)**
- Alcohol: 9100
- Nicotine: 265



- Drugs: 5735
- Total: 15,100 samples were tested by our lab this year

*Specialist Services*

*Group Therapy Services*

- The Department provides group therapy services for patients/caregivers. The disorders and the number of patients counselled this year are as follows:-
- Sexual dysfunctions group – 67
- Dementia group/Memory Clinic – 102
- Caregivers of Patients with Schizophrenia group – 386
- Biofeedback Therapy – 100
- DSH group for survivors of suicide attempts and their relatives, catering to around 3-4 patients weekly, of psychiatry as well as consultation-liaison cases from other ward references
- *Started Bipolar group in 2024* for caregivers of patients with Bipolar Affective Disorder, catering to 4-5 patients weekly

*De-addiction Ward Groups*

- Patient Psycho-education Group: 637 patients
- Caregiver Group: 754 relatives

*Specialised Clinics*

- Specialized clinics are also run for special groups of patients .The number of patients seen are:-
- Child Guidance Clinic (CGC) for children with psychiatric disorders
- New cases: 584
- Follow up: 897
- **No. of new patients for counselling in psychiatry by PSWs: 1419**

**Pulmonary Medicine and EPRC**

Pulmonary Medicine (Unit 1)- KEMH

Indoor Patient care: 30 bedded indoor service, 5 bedded Intensive Respiratory care unit and 3 bedded high dependency unit.

Pulmonary Medicine (Unit 2)- GTBH

Indoor admissions: 975

*OPD*

New Patients	Old Patients	Total
6917	17818	24735

*OPD*

	Unit II	DPS I
New	1725	170
Old	541	353

*Speciality Clinics*

- Pulmonary Rehabilitation: 980
- IP Clinic (Interventional Pulmonology): 366
- Airway clinic: 1500
- Sleep Disordered breathing:50
- Referral Consultation: Average 35 per day

*Workload- ABG Lab*

Laboratory parameter	ABG	Electrolytes	COOX	Metabolites
	70722	10235	10235	10235

*Workload- PFT Lab*

PFT – 2578

RV/TLC – 425

DLCO- 642

FOT – 35

Total – 3680

Community care:

*EPRC- Health survey*

Sr. No.	Area	Description	Date	Total
1	Vile Parle, Nehru Nagar	NEHP Survey	01.12.2023 to 30.12.2023	338
2	Devnar Dumping Ground Govandi	Census Population – 22 Questionnaire - 101	07.06.2024 to 14.06.2024	123
3	Matunga Pumping Station	Medical Camp - 31	28.08.2024 to 30.08.2024	31
4	Worli BDD Chwal	NEHP – 32 Medical Check-up – 202 Census - 100	04.10.2024 to 30.10.2024	334
5	Asthma Education	Asthma Education - 916	01.12.2023 to 30.11.2024	916
			Total	1742

**Radiology**

In the year 2023, (Jan to November) the Dept. of Radiology has performed following number of scans:

Modality	Number of scans performed
CT	27076
MRI	5521
USG	OBST 6222 Non OBST 49566
Barium	1214
IVP	504
Mammography	0
Interventional Radiology Procedures	VIR 1260 INR 736
XRAY(including General X-rays, OC bldg., CVTC, EMS X-ray, portable)	398472

**Surgical Gastroenterology**

OPD new patients:2035, OPD old patients : 2894 Indoor admissions: 1164 Operated 657

*New Services:*

1. Special Liver Transplant OPD started on every Monday afternoon.
2. Bariatric OPD on Wednesday afternoon along with Endocrine Medicine.

**Transfusion Medicine**

- Grouping & crossmatching of 1,64,276 Blood units per year.
- Transfusion Medicine provides Single Donor Platelets (prepared by plateletpheresis) to patients.
- Total units of 7712 Random Donor Platelets (RDP) and 162 units of Single Donor Platelets (SDP) were issued to the patients.
- A total of 13,556 units of Fresh Frozen Plasma (FFP) and 1504 units of cryoprecipitate were prepared.
- The demand of 150-200 blood units per day for patients admitted in our hospital was fulfilled by about 140 blood donation camps in a year with approximately over 19064 blood units collected annually.

**Urology**

This department is involved in training undergraduates, postgraduates and paramedical students. Besides teaching and training these students, research is also a component of our departmental activities.

Over 14500 patients were treated on the all urology OPD's during the year and over 867 operations were performed including kidney transplantations.

- 32 Beds in Urology Ward
- There are 4 Operation Rooms and operations are performed 5 days a week

- Three outpatient department sessions (OPD) every week  
Stone Clinic - Wed.1.30 to 5.30 pm - avge 210 patients / OPD day  
General Urology - Saturday 8.30 to 1.30 pm - avge 220-250 patients / OPD day  
Andrology - Saturday 8.30 To 1.30 pm - 25-30 patients / OPD day  
Trans Gender OPD (Newly Open) – Sat 9.00 to 1.00 pm Urology New Building 8<sup>th</sup> floor, Urology Seminar Hall.

#### *Investigative Facilities Offered by the Department*

- **Ultrasonography** : Urology department has its own ultrasound machine, where scans of urological patients are done. This machine is also used to perform emergency procedure like PCN insertion, SPC insertion.
- **Uroflowmetry** : This laboratory, located in the department helps in evaluating people with obstruction to urine flow.
- **Doppler ultrasound**: This investigation helps in evaluating patients with infertility and following transplantation.
- Radiological investigations like Retrograde Ureterogram and Retrograde Pyelogram.
- **Uro-endoscopy**
- **Phalldynamic** Studies (Impotence Studies).
- **TRUS**: Trans Rectal USG with prostatic Biopsy for diagnosis of Ca prostate.
- **Urodynamic study**: Pressure flow studies.

#### *Treatment Modalities Offered by the Department*

1. Stone disease - Endoscopic - Suprapubic & transurethral Cystolithotripsy
  - URS
  - PCNL
  - Open surgeries
  - Extra Corporeal Shockwave Lithotripsy (ESWL)
  - RIRS – Laser surgery,
  - 3D laparoscope System
2. Uro-oncology
  - Advanced uro-oncologic surgeries like radical retropubic prostatectomies, radical cystectomy with orthotopic neobladder etc.
3. Female Urology
  - Surgeries for SUI, genitourinary fistulas, reconstruction surgery for urinary incontinence
4. Paediatric Urology
  - Hypospadias surgeries.
  - Bladder neck reconstruction for incontinence.
  - PCNL / URS / RIRS
5. Transplant urology
  - Laproscopic donor nephrectomy.
6. Andrology and Infertility -  
For infertility
  - VEA, VVA, TUIED (Transurethral incision of ejaculatory ducts)
  - For impotence Penile prosthesis
  - Venous ligation
7. Laparoscopic surgery procedures like Lap.VVF repair and Lap. Pyeloplasty.
8. Laser prostatectomy.
9. Stricture surgery for complicated cases - Redo surgery- rectourethral fistula
10. UDS
11. USG Machine for TRUS Biopsy and USG KUB, with USG guided PCN, biopsy, cyst aspiration
12. Microscopic procedures like micro varicocelelectomy, AV Fistula for dialysis
13. ESWL – KEM Hospital Urology department has a state of art Dornier Lithotripter (to break kidney stones without surgery). This is amongst the best such machine in India. It caters to a total of 560 new patients per year. The Old machine has been scraped and a new Dornier delta 3 machine has been installed.  
Our department carries out live and cadaveric renal transplants regularly and is among the oldest institutes in India for kidney transplantation starting transplantation way back in 1965.

Laparoscopy in urology is a new upcoming modality, which is being started in major urological departments in India. Our department too has started offering 3D laparoscopic procedures to our patients. We perform laparoscopic ureterolithotomies, Lap. Nephrectomies etc. We have also procured Laparoscopy Trainer to train postgraduate students in basic Lap. Procedures before they perform them on patients. Ours is the only department in the whole state of Maharashtra which has started and has been regularly performing laparoscopic donor Nephrectomy which is consider to be the most difficult and complex urological laparoscopic operation. We also perform complex procedures such as radical cystectomy, radical prostatectomy and VVF repair.

## a. Patient Education Activities:

- Dietary advice about stone disease
- Posters on BEP, Stone, Cancer
- A new TV has been put up OPD no 13 which explains procedure in Urology in addition patients are given printed pamphlets to explain the various operation
- Consents printed in Hindi & Marathi are taken prior to surgery for each procedure.

## b. Computerization of IPD records:

All patients admitted to the ward are entered into the data base of the department and records are maintained on hard disk. New software has been purchased and has been modified to suit our setup.

All patients are given printed and laminated discharge paper and OPD records are also given in a Printed computerized sheath.

All OT records are maintained on the computer and the data can be retrieved immediately.

*Diagnostic Workload:*

Year	USG	Cystoscopy & Related Procedures	Uroflowmetry	Trust Guided Biopsy	UDS
2022 (till Dec.2022)	190		1412		
2023 (till Dec.2023)	230	610	2980	110	256
2024 (till Dec.2024)					

*Operative Workload:*

	2022 (till Dec.2022)	2023 (till Dec.2023)	2024 (till Dec.2024)
<b>Open work 60 to 70% in operative work</b>			
Transplant – (LRDT + Cadaver)	22+2	35	29
Endo-urology :			
VIU	56	63	45
TURP	90	109	64
URS	38	134	138
PCN	140	169	110
PCNL	213	232	174
PCCL	49	55	44
U plasty	30	43	51
TURBT	17	36	42
Laparoscopy	91	121	108

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# Publications

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# Publications

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## Forensic Medicine and Toxicology

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## Psychiatry

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## Radiology

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15. Priti Bolke, Swaksh Nemani, Omkar Mettan Clinicoradiological correlation in a case of Schuurs–Hoeijmakers syndrome. *Case Rep Clin Radiol*. doi: 10.25259/CRCR\_88\_2024
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### **Surgical Gastroenterology**

- Pujari SG, Kantharia SC, Prabhu R and Kantharia CV. Management of Non-Cirrhotic Portal Hypertension during Pregnancy: A Review. *Gastroenterol Hepatol Int J* 2024, 9(2): 000220. ISSN: 2574-8009.

### **Transfusion Medicine**

- Dr Swarupa Bhagwat and Dr Jayashree Sharma Evaluation of IgM and IgG titers of ABO Blood group system in Blood Donors” has been accepted for publication in *Asian Journal of Transfusion Science*.

## Urology

- Spontaneous Rupture of Urinary Bladder with Vesicocutaneous Fistula in a HIV Positive Female- Case Report JCDR journal Kamlesh Hawaldar Singh, Ankit Shailesh Vyas, Tarun Rochlani, Sujata Kiran Patwardhan DOI: 10.7860/JCDR/2021/50324.15723
- Spontaneous rupture of pyonephrosis presenting as anterior abdominal wall abscess: a rare case report African journal of urology Kamlesh Hawaldar Singh, Ankit Shailesh Vyas, Tarun Rochlani, Sujata Kiran Patwardhan <https://doi.org/10.1186/s12301-021-00226-x>
- Side to Side Vesicoureteric Anastomosis with Psoas Hitch in Post Transplant Ureteric Stricture— Case Report. Saudi Journal of Kidney Diseases and Transplantation. Kamlesh Hawaldar Singh, Ankit Shailesh Vyas, Tarun Rochlani, Sujata Kiran Patwardhan
- Case report - Prolene is Thy Culprit; Boycott Him – Post Renal Transplant Lower Ureteric Calculus with Prolene Acting as a Nidus – A Rare Case Report Published In IJCMPR. ISSN: 2395-6429, Impact Factor: 4.656 Volume 7; Issue 06(A); June 2021; Page No.5814-5816 DOI: <http://dx.doi.org/10.24327/23956429.ijcmpr20211019>
- Original Article - Nephrectomy – A study of recent trends in a high-volume tertiary care center, exploring the need for screening and preventive strategies Accepted for publication in AJMS journal - Feb issue DOI: 10.3126/ajms.v13i2.40434E-ISSN: 2091-0576 P-ISSN: 2467-9100
- Blindness paving the path to the diagnosis of metastatic prostate carcinoma: A unique case presentation-journal of clinical urology.Aadhar Jain, Sujata Patwardhan<https://doi.org/10.1177/20514158211053701>
- Impact of surgical intervention on progression to end-stage renal disease in patients with posterior urethral valve Journal African journal of urology. Rishikesh Velhal, Aadhar Jain, Anveshi Nayan, Sujata Patwardhan, Bhushan patil. DOI 10.1186/s12301-021-00261-8
- Renal Dysplasia with Giant Renal Calculus: Management Nightmare-International Journal of Current Medical and Pharmaceutical Research Aadhar Jain, Nikhilesh jibhakate and Sujata Patwardhan, DOI: <http://dx.doi.org/10.24327/23956429.ijcmpr20211051>
- Impact of COVID-19 pandemic on non-COVID patient's management in urology: a public hospital experience in Mumbai Nikhilesh A. Jibhakate, Sujata K. Patwardhan, Ajit S. Sawant, Hemant R. Pathak, Bhushan P. Patil and Hitesh Kamal. <https://doi.org/10.1186/s12301-021-00196-0>
- Surgical videos of penile implant, laparoscopic pyeloureterostomy for retrocaval ureter ,laparoscopic adrenalectomy, transvaginal vesicovaginal fistula repair and 4 teaching videos on How to read MCU and RGU have been uploaded in KEM Urology YouTube Channel



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# Research

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# Research

## Anatomy

- A study of Morphology and Morphometric of Typical and Atypical Cervical Vertebrae in Human Dry Bone.
- Morphometry and Morphology of the Menisci of Human Knee Joint - A Cadaveric and Magnetic Resonance Imaging Study.
- Morphological & Morphometric Study Of Femoral Artery In Human Cadavers And By Digital Subtraction Angiography.
- Morphometric Study Of Dry Adult Radius.
- Collaboration with Department of Neurosurgery in July 2024, Department of Orthopaedics in January, February, April, June, July and September 2024 for various activities.

## Anesthesia

- Effect of preloading on haemodynamic changes using IVCCI and perfusion index in patients undergoing laparoscopic surgery under GA - A prospective observational study.
- Prospective questionnaire - based observational study to assess the incidence of intraoperative awareness in patients undergoing spine surgery under general anesthesia.
- Evaluation of perfusion index as an objective tool for assessing analgesia under general anaesthesia in laparoscopic surgeries.
- Low Dose intravenous ketamine in the management of postoperative pain following Laparoscopic cholecystectomy: A prospective randomised control study.
- Retrospective audit of anaesthesia management for cochlear implant.
- Questionnaire based study of pg trainees on their knowledge attitude and practice of preoperative fasting in case of elective surgery at the tertiary care hospital.
- Comparison of Cerebral oxygen saturation monitoring in pre eclamptic pregnant women and normotensive women undergoing cesarean section under spinal anaesthesia: a prospective ,observational study.
- Comparison of unilateral spinal anaesthesia with sciaticofemoral block for surgical management of diabetic foot-A prospective observational study.
- Tracheal intubation in patients with atlanto axial dislocation.
- Comparison of three approaches of ultrasound guided internal jugular vein cannulation : A prospective randomised study.
- Study of effect of high fresh gas flow and pattern of breathing on rapid preoxygenation.
- A Prospective, Randomised, Double blind study comparing postoperative analgesia using 0.25% Bupivacaine vs 0.375% Bupivacaine along with 8mg Dexamethasone in USG guided Erector Spinae Plane Block in thoracolumbar spine surgeries.
- Use of heaven criteria for predicting difficulty airway in patients posted for emergency surgery.
- Comparison of recovery profile in patients undergoing aneurysm coiling using sevoflurane vs desflurane with the help of bis and mac.
- Ijv collapsibility and ivc collapsibility comparison in orthopaedic lower limb surgeries under spinal anaesthesia.
- Cmac c vs macintosh in neutral position.
- Comparison of volume controlled ventilation and pressure controlled volume guaranteed ventilation in patients undergoing Laparoscopic surgery: A prospective Randomised comparative clinical study.
- A prospective observational study to evaluate changes in optic nerve sheath diameter in pregnant patients with pre eclampsia.
- Preoperative assessment of gastric volume in adult patients posted for emergency lower limb surgery.
- Prospective Observational Study of the Time Taken by Pre and Post MD Residents for Pre-Procedural Ultrasound Scanning of Lumbar Spine.
- Randomised controlled trials for assessing intubating conditions in supine position and 25° head up position in tertiary care hospital.
- Changes in tongue size in sitting position under GA.
- Incidence and Risk factors of post operative shivering after general anesthesia : Prospective observational Anesthesia.
- Effect of music on patients undergoing laparoscopic abdominal surgery under general anaesthesia.

- Anaesthesia in patients undergoing percutaneous nephrolithotomy in a tertiary care hospital: A prospective observational study.
- IJV collapsibility as a predictor of hypotension after spinal anaesthesia - A prospective observational study.
- A prospective study to compare the duration in laryngoscopy and intubation between McCoy laryngoscope and CMAC D blade in neutral position with manual in line stabilization in tertiary care hospital.
- Awareness about scope of Ax among postgraduate.
- Comparison of subarachnoid space depth using USG and Stocker's formula.
- Pulse Co-oximetry perfusion index as an objective tool for post-operative pain assessment and its correlation to visual analogue pain score :A prospective, observational study.
- A prospective observational study for assessing the depth of subarachnoid space by ultrasound guide in median and parasagittal oblique view versus actual depth of needle insertion for spinal anaesthesia.
- Questionnaire based assessment about CPR and Indian resuscitation guidelines for CPR among junior resident doctors of tertiary care centre.
- Prospective observational study for estimating the optimal depth of insertion of Endotracheal tube in orotracheal intubation using ultrasound and clinical parameters (5-point auscultation) in Indian population at tertiary care hospital.
- Prospective audit of significant unplanned events in gastrointestinal endoscopy procedures under anesthesia in tertiary care hospital.
- Comparative study of the efficacy and safety of hyperbaric solutions of bupivacaine vs ropivacaine vs levobupivacaine in elective inguinal hernia surgery under subarachnoid block.
- Comparison of endotracheal cuff pressures inflated using two techniques Minimal occlusive volume (MOV) and Pressure Volume Loop closure (PVL-C) used as a guide to provide adequate seal of airway.
- A survey of Indian anaesthesiologist knowledge and attitudes regarding obstructive sleep apnoea.
- Effects of varying time intervals between fentanyl and propofol administration and its effect on the induction dose of propofol : A prospective randomised controlled trial.
- Assessment of difficult airway in upper torso, face and arm burns patients in a tertiary care institute- A prospective Audit.
- Knowledge, attitude and practice of midazolam as an adjuvant anaesthetic among practicing anesthesiologist.
- Prospective Randomised Double Blind Study Comparing the Duration of Post-operative Analgesia with Inj. Bupivacaine 0.25% vs. Inj Bupivacaine 0.25% with Inj. Dexamethasone in Scalp Blocks in Patients Undergoing Elective Craniotomy.
- Prospective study to compare incidence of bleeding during nasotracheal intubation in adults by polyvinyl chloride (pvc) nasotracheal tube and pvc nasotracheal tube telescoped into foley's catheter.
- Confirmation of placement of endotracheal tube-A comparative observational study by using 2 ultrasound methods.
- A prospective study to correlate cormack lehane grading on direct laryngoscopic view with mallampatti grading assessment in sitting position versus supine position.
- Evaluation of Effect of Hip/Shoulder Width Ratio on the Sensory Level of Spinal Anaesthesia in lateral position in patients undergoing infraumbilical surgeries – A Prospective Observational Study.
- Correlation of STOP BANG Score with Difficult airway in Patients undergoing elective surgery under general Anaesthesia-A Prospective Interventional Study.
- Comparative study of IJV cannulation using adult linear probe versus paediatric linear probe in adult patients.
- Correlation of Neuromuscular blockade using acceleromyography during reversal and extubation with clinical parameters in reconstructive surgeries under general anaesthesia with Neuromuscular blocking agents.
- Blood Transfusion Practices among Anaesthesiologists across Mumbai.
- Effect of the spinal anaesthesia versus general anaesthesia on blood glucose concentration level in patients undergoing emergency cesarian section.
- To evaluate the use of ultrasound guided subclavian vein diameter changes in supine and passive leg raising position to predict hypotension after induction of general anaesthesia: a prospective observational study.
- Comparison Of Effectiveness Of spinal Hyperbaric Bupivacaine (0.5%) vs Hyperbaric Levo Bupivacaine (0.5%) in TKR Surgeries Under Sub Arachnoid Block: A Prospective Double Blind Randomized Controlled Trial.
- Observational study of combined spinal epidural in elderly patients for femur fracture surgeries.
- Comparative study of adult versus pediatric linear probe for radial artery cannulation in adult patients.
- Preoperative ultrasound assessment of gastric contents in fasting patients posted for elective Laparoscopic cholecystectomy.
- Evaluation of neck circumference and thyromental distance ratio in evaluation of difficult intubation.
- A comparative study of endotracheal tube cuff pressure changes in supine vs prone position in neurosurgical patients using air and oxygen as an anaesthetic gas mixture.

- Prospective questionnaire based study to assess the perception and practice towards the use of ultrasonography in anaesthesia practice.
- A comparison of gastric volume measured by ultrasound after high flow nasal therapy or conversational face mask ventilation used for preoxygenation.
- Knowledge Attitude and Practice of opioid free anaesthesia among practicing anaesthesiologists.
- A prospective study for prediction of difficult subarachnoid block by using difficulty score in spinal anaesthesia for patients requiring spinal anaesthesia.
- A prospective observational study comparing syringe pump versus target controlled infusion pump for propofol infusion.
- To compare the perfusion index in supine and prone position pre- & post- Induction.
- Comparison of directable stylet with stylet angulated 75 degree for routine orotracheal intubation with c-mac video laryngoscope.
- Prospective audit of postoperative obstetrics admission in Anaesthesia intensive care unit.
- Prospective observational study to predict and compare difficulty in laryngoscopy using airway ultrasound parameters vs clinical parameters.
- Prospective Observational study of hemodynamic changes in patient undergoing neurosurgery in sitting position at table angulations of 30 degrees, 45 degrees and after final positioning measured using mobile app.
- Prospective questionnaire based observational study on extubation practices.
- Study Of Various Anaesthetic Techniques In Neuro-Radiological Procedures-An Audit.
- Internal Jugular Vein Collapsibility Index In supine and Trendelenberg position as predictor of Hypotension following the Induction of General Anaesthesia:A Prospective observational study.
- Randomised controlled comparative study of intubation success rate between channeled vs non channeled blade of hug med video laryngoscope for orotracheal intubation.
- Comparative study of sonographic measurement of pre-epiglottic distance/epiglottic-vocal cord distance ratio (pre-e/e-vc) versus hyomental distance (neutral/extension )ratio (hmdr) to correlate cormack-lehane (cl) grading for airway assessment.
- Evaluating success rate between stylet and 60° angled bougie with the C-MAC D blade in cervical spine patients.
- A prospective observational study on the perioperative blood pressure trends and its anaesthesia management.
- Correlation of Central Venous Pressure with ratio of Internal Jugular Vein and Common Carotid Artery diameter by Ultrasonography.
- Efficacy of different types of preoperative counselling on perioperative anxiety in patients undergoing spinal anaesthesia.
- A prospective study evaluating success rate of standard vs rotational method of igel insertion.
- Comparison of transcutaneous laryngeal ultrasound with video laryngoscopy for assessment of vocal cords in thyroid surgery patients.
- A prospective randomized observational study to compare the tracheal cuff inflation method guided by pressure volume loop closure versus manometer in a supine position.
- A Prospective observational study of comparison of spinal induced hypotension in Pre-eclamptic and non Pre-eclamptic patients undergoing caesarean section.
- A cross sectional comparative study to confirm endotracheal tube position by bedside upper airway sonography v/s standard auscultation after tracheal intubation controlled by quantitative waveform capnography in patients undergoing general anaesthesia.
- The Correlation of USG guided lateral pharyngeal wall thickness with difficulty of mask ventilation.
- Comparison Between Modified Allens Test And Doppler Ultrasonography For The Assessment Of Collateral Circulation Of Hand In Patients Requiring Invasive Bp Monitoring During Surgery.
- Ultrasound evaluation of radial artery size and ease of cannulation post subcutaneous infiltration of nitroglycerine and lignocaine versus lignocaine in prospective comparative study.
- Ultrasound guided measurement of Mandible - Hyoid bone - Glottis Angle & Distance from Glottis to the upper edge of the thyroid cartilage to predict difficult laryngoscopy.
- Effect of change in head and neck position on ultrasonographic localisation of cricothyroid membrane : An observational study.
- To study variations in endtidal carbon dioxide(EtCO<sub>2</sub>) values in patients undergoing endoscopic procedures under total intravenous Anaesthesia(TIVA) : An observational study.
- Prospective Audit of Management of Blood Loss in Caesarean Section of Patients with Placental Anomalies.

- Observational study of anaesthetic management of peroral endoscopic myotomy (POEM) and its associated complications.
- The effect of patient positioning on ultrasound landmarking for cricothyrotomy on healthy volunteers.
- A comparison of hemodynamic responses between time line guided tracheal intubation and neuromuscular block monitoring guided tracheal intubation : a prospective comparative observational study.
- Comparison of Macintosh blade vs Miller blade for glottic view and ease of intubation in adults.
- Evaluation of vocal cords by ultrasonography after tracheal extubation in ICU patient.
- Comparison of Difficulty with Mask Ventilation and Intubation Difficulty Scale in Snorers and Non Snorers.
- A pilot study to evaluate the efficacy & safety of growth factor concentrate in rotator cuff tendinopathy, a randomized open labelled assessor blind study – in collaboration with Department of pharmacology.
- Collaborations: National: ICMR, NIRRH, DBT, CDRI, ACTREC, NACO, MDACS

## Biochemistry

- **Dr Anita S. Chalak:**
  - o Metabolomic Signature of Amino Acids and its Correlation with Indices of Obesity and Glucose Regulation in Indian Obese and Non-Obese Adult Population
  - o Correlation between Renal function test and Obesity Indices in Indian obese and non-obese Adult Population in Mumbai.
- **Dr. Avinash N. Jadhao:**
  - o An Innovative Predictive Indicator For In-Hospital Mortality In Cases Of Acute Cerebral Infarction: Low-Density Cholesterol Levels To Lymphocyte Ratios.
  - o Systematic Review: “The Future of Scholarly Communication: Integrating ChatGPT into Research Writing Practices Medical and Clinical Research
  - o Biochemical Basis of Maternal Preeclampsia and Its Implications for Offspring Cardiovascular Risk: A Systematic Review.
- **Dr. Hemant Dahake**
  - o Biochemical profile in Subclinical Hyper and hypothyroidism
  - o Correlation between Liver Function test and Menstrual Irregularities in normal, overweight and obese Female Medical students in Mumbai.
- **Dr. Yogesh Pawade**
  - o Metabolomic Signature of Amino Acids and its Correlation with Indices of Obesity and Glucose Regulation in Indian Obese and Non-Obese Adult Population
  - o Correlation between Lipid Profile and Anthropometric Indices in Normal, overweight and Obese Medical students in Medical Colleges

## Cardiology

- Dr. Ajay Mahajan : Artemis trial
- Dr. Charan Lanjewar :
  - o ACS Trial
  - o NPAC (ICMR)

## Cardiovascular and Thoracic Anesthesia

- Enhanced recovery after cardiac surgery- Use of Sugammadex vs Neostigmine
- Sugammadex versus Neostigmine: A comparative study of Efficacy and safety in the Cath Lab.
- Prospective observational study of effects of cardiopulmonary bypass in cardiac surgery on Thyroid Function tests in Euthyroid patients and in patients on thyroid medication
- Safety and feasibility of second generation Laryngeal Mask Airways with wide gastric port for Trans –esophageal Echocardiography guided trans catheter device closure procedures : a prospective observational study.
- Comparison between Dexmed-Ketamine versus Midazolam-Fentanyl for diagnostic bronchoscopy.
- Can Cerebral Oximetry be a surrogate monitor of Cardiac Output during Off-Pump Coronary Artery Bypass Grafting Surgery.
- 1 letter to editor in The Egyptian Journal of Cardiothoracic Anesthesia ‘An Interesting Example of Dynamic Obstruction in Double-Chambered Right Ventricle-

- Citation- Upadhyay R. An Interesting Example of Dynamic Obstruction in Double-Chambered Right Ventricle.
- Assessment of gastric volume and gastric content in patient under patients undergoing elective cardiac surgery using ultrasonography .

### **Clinical Hematology**

- Along with NIH-ICMR. Randomized controlled study of low dose and standard dose Emicizumab
- Thalidomide and Hydroxyurea as add on therapy in patients diagnosed with transfusiondependent Thalassemia and non-transfusion dependent thalassemia- a multicenter randomized placebo-controlled trial.
- “Randomized Controlled Trial of immunosuppressive therapy (ATG+CSA) withEltrombopag and ATG+CSA with Romiplostim in Aplastic Anemia & correlation of therapy withtranscriptomic profiling.”

### **Clinical Pharmacology**

- Immunogenicity, molecular profiling and safety of a marketed quadrivalent influenza vaccine administered by the intramuscular route in children 3-8 years of age (international project).
- Immunogenicity, molecular profiling and safety of a marketed quadrivalent influenza vaccine administered by the intramuscular route in infants 6-12 months of age. (international project)
- Developing national and global agendas for the ethics of post trial arrangements in low and middle income countries during pandemics/epidemics (international project).
- A randomized, open label multicenter interventional Phase III study of the efficacy and safety of Tafenoquine compared to primaquine (both co administered with chloroquine) for radical cure (relapse prevention) of Plasmodium vivax malaria in Indian participants (pediatric and adult population).

### **Community Medicine**

- Action research project for development of Primary Health Care Model for Palliative care, Elderly care, and Mental Health – A Pilot Study.” PI – Dr. Shrikala Acharya, Funded by DHR, GOI.

### **Dentistry**

- Oral Hygiene status in children with hemophilia with or without prophylaxis Treatment.
- Single Visit Endodontic procedures in patients with Hemophilia- a cross curricular outlook.
- Tongue trauma in patients with severe Hemophilia with inhibitors.

### **Dermatology**

- A retrospective observational study of clinico-histopathological spectrum of cutaneous adnexal neoplasms at tertiary healthcare centre.
- A clinico-epidemiological study of erythroderma at a tertiary hospital (an observational cross-sectional study).
- A clinico-epidemiological study of postmenopausal dermatoses at a tertiary hospital.
- A clinico-epidemiological and dermoscopic evaluation of periorbital dermatoses patients at tertiary hospital.
- A clinico-pathological study of linear dermatoses.
- A clinico-epidemiological-quality of life study of androgenetic alopecia in males.
- A clinico-epidemiological study of cutaneous manifestation of cutaneous in cutaneous tuberculosis.
- A clinico-epidemiological study of atopic dermatitis in adults.
- A clinico-epidemiological study of cutaneous manifestations of chemotherapeutic agents.
- A clinico-epidemiological study of palmoplantar dermatoses.
- A clinico-pathological and dermoscopic study of morphea and lichen sclerosis.
- A clinic-epidemiological and dermoscopic pathological correlational study in patients with primary cicatricial alopecia.
- A clinico-epidemiological study of cutaneous changes in lupus erythematosus.

### **Endocrinology**

- A prospective observational cohort study to identify the utility of risk-based screening strategy for long term complications in adolescent and adult cancer survivors of leukaemia and lymphoma.
- Adrenocortical carcinoma in children and adolescents: Retrospective analysis.
- Dysglycaemia in patients with previously diagnosed Gestational diabetes mellitus by IADPSG criteria Analysis of Data.

- Evaluation and management of patients with Pituitary apoplexy: A retrospective study.
- Pancreatic Neuroendocrine Tumors: Experience from a single tertiary center in India.
- Primary Bilateral Macronodular adrenal hyperplasia : A Single Center Experience.
- A retrospective analysis and comparison of the clinical, hormonal, radiological features and management outcomes of cases of primary and secondary hypophysitis.
- Multiple Endocrine Neoplasia Type 1 syndrome: A Single Center Experience.
- The Retrospective analysis of macroprolactinoma: A single centre experience.
- Polar Vessel Sign on Computed Tomography in Parathyroid Lesions.
- ACTH and cortisol dynamics after overnight dexamethasone suppression.
- Retrospective analysis of 46, XY DSD patients with DHH pathogenic variants: a single-centre experience.
- Succinate dehydrogenase complex (SDHx) Pheochromocytoma -Paranglioma syndromes: A single centre experience from Western India.
- Differences in Sex Development (DSD) due to MAP3K1 pathogenic variants: A single centre experience and systematic review.
- Retrospective study of perioperative hemodynamic profile of patients with Pheochromocytoma/ Paranglioma blocked with Amlodipine.
- Non-classic 21-Hydroxylase deficiency among women with PCOS: Study from western Indian population.
- Efficacy of rFSH Pretreatment Followed by rFSH+rHCG versus Simultaneous rFSH+rHCG for Inducing Fertility in Congenital Hypogonadotropic Hypogonadism Males: Open Label Pilot RCT.
- Polar Vessel Sign on Computed Tomography in Parathyroid Lesions.
- Presentation, management, and outcomes of Ectopic ACTH syndrome.
- Inferior Petrosal Sinus Sampling: A single centre experience.
- Adrenal schwannoma and Adrenal ganglioneuroma: A single centre experience and systematic review.
- Thyroid-Stimulating Hormone Receptor germline Mutations causing familial/sporadic hyperthyroidism: case series.
- Utility of 68Ga-Pentixafor PET/CT in subtyping Primary Aldosteronism: Experience from a tertiary centre in Western India.
- I8F-MC-GPGN(a)The Effect of Tirzepatide versus Dulaglutide on Major Adverse Cardiovascular Events in Patients with Type 2Diabetes(SURPASS-CVOT).
- A research study to see how well the new weekly medicine IcoSema, which is a combination of insulin icodec and semaglutide, controls blood sugar level in people with type 2 diabetes compared to weekly insulin icodec (COMBINE 1).
- A Randomized, Controlled, Multicenter Study to Evaluate the Safety and Efficacy of Paltusotine in Subjects with Non-pharmacologically Treated Acromegaly.
- Efficacy and safety of cagrilintide s.c. 2.4 mg in combination with semaglutide s.c. 2.4 mg (CagriSema s.c. 2.4 mg/2.4 mg) once weekly in participants with overweight or obesity and type 2 diabetes. NN9838-4609 (REDEFINE 2).
- An Open-label, Single-arm, Multicenter Phase 4 Study to Evaluate Safety and Tolerability of Romosozumab(EVENITY®) in Postmenopausal Women in India with Osteoporosis and a High Risk of Fracture.
- J2A-MC-GZGS (c): A Phase 3, Open-Label Study of Once Daily LY3502970 Compared with Insulin Glargine in Adult Participants with Type 2 Diabetes and Obesity or Overweight at Increased Cardiovascular Risk (ACHIEVE-4).
- A 40-week study comparing the efficacy and safety of once weekly IcoSema and dally insulin glargine 100 units/ml in participants with type 2 diabetes Inadequately controlled on oral antidiabetic drugs(Combine 4 ).
- A parallel-group treatment, Phase 2, double-blind, three-arm study to assess efficacy and safety of finerenone plus empagliflozin compared with either finerenone or empagliflozin in participants with chronic kidney disease and type 2 diabetes. (CONFIDENCE study).
- The cardiovascular safety and efficacy of cagrilintide 2.4 mg s.c. in combination with semaglutide 2.4 mg s.c. (CagriSema 2.4 mg/2.4 mg s.c.) once-weekly in participants with established cardiovascular disease. (Study ID: NN9838-4942).
- Efficacy, and Safety of Once-weekly Insulin Icodec when Switching from Daily Basal Insulins Compared to Once-daily Insulin Glargine U100 in Adults with Type 2 Diabetes. (NN1436-7724).
- ICMR study: Formation of registry of people with diabetes in India with young age at onset. (Phase II).
- A Randomized, Open label, pilot Study to Compare the Efficacy of Pioglitazone (7.5 mg) and Pioglitazone (15 mg) on Glycemic Control in Patients with Type II Diabetes Mellitus who are not controlled on either metformin (single drug) or both metformin and DPP4 inhibitors/ sulfonylurea (2 drugs) or metformin, sulfonylurea and DPP4 inhibitors (3 drugs).



- Study of maternally inherited mitochondrial DNA variants in women with Polycystic Ovarian Syndrome.
- A Nuclear Magnetic Resonance-Artificial Intelligence (NMR-AI) based Hybrid Approach for Modelling the Progression of Type 2 Diabetes Mellitus (T2DM).
- Gut Microbial Diversity and Metabolomic Profiling in Graves' Disease: A Multi-Centric Study.
- Drug intervention for prevention of type 2 diabetes among women with prior gestational diabetes mellitus and pre-diabetes in South Asia (DIVINE): A Randomized Control Trial.

### **Forensic Medicine and Toxicology**

- Retrospective study on deaths due to violence against women & children at tertiary care institution.
- A comparative study of post-mortem computerized tomography medico legal postmortem findings at a tertiary care institution.
- Effectiveness of training interventions to improve quality of medical certification of cause of death at a tertiary care hospital in a metropolitan city.

### **Gastroenterology**

1. EC/OA-151/2018: Evaluation of the role of capsaicin on intestinal permeability, visceral hypersensitivity and gut TRPV1 receptors in patients with irritable bowel syndrome.
2. EC/OA-28/2019: Evaluation of the utility of genotyping in patients with budd Chiari syndrome versus standard of care to assess impact on bleeding and costs – A randomized trial.
3. Paracentesis Induced circulatory Dysfunction (PICD) in Patients with budd Chiari syndrome
4. Correlation between esophageal histology, 24 hr ph metry and high defination endoscopy in patient with refractory GERD.
5. Gonadal function in male NCPF& EHPVO patients.
6. Gonadal function in male NCPF& EHPVO patients.
7. Bile acid levels to prognosticate alcoholic hepatitis.
8. Evaluation of the role of capsaicin on intestinal permeability, visceral hypersensitivity and gut TRPV1 receptors in patients with irritable bowel syndrome.
9. A study of mHE in patient with BCS.
10. Epidemmilogy & Outcomes of infections in liver cirrhosis: insights from a tertiary care center.
11. Defining the radiological lower esophageal sphincter distensibility: A novel parameter to predict peroral endoscopic myotomy outcomes.
12. Adequacy safety & Technical determination of modified endoscopic ultrasound guided liver biopsy technique.
13. The role of recto annal gradient(RAG) in patients with constipation & suspected defactory disorder.
14. Role of trem2 to predict clinically significant portal hypertension (CSPH) in metabolic dysfunction associated Steatotic liver disease- A proof of concept study.
15. Pancreatic cyst drainage : 75
16. Polypectomy :84

### **General Surgery**

- Gallstone ileus: A dilemma in a case of recurrent intestinal obstruction
- Comparing Injury severity score and New Trauma Score in Geriatric Population in a Tertiary Care Centre
- A study of blood transfusion practices in department of general surgery in tertiary care hospital
- A study of estimation of optic nerve sheath diameter (onsd) on an initial computed tomography scan for prediction of prognosis in traumatic brain injury patients
- A retrospective study of pancreatic trauma in a tertiary care center
- Impact of Orientation program on New Surgery Residents
- A prospective study of microbiology of perforative peritonitis & its effect on outcome.
- Prospective observational study on Neutrophil Lymphocyte Ratio (NLR) as predictor of severity of acute pancreatitis in patients visiting a tertiary case hospital
- Assessment of risk factors associated with thyroidectomy complications
- Intubation and outcomes after major trauma: A prospective Cohort study
- To Study association between Charlson Comorbidity Index and Outcomes in patients undergoing surgery for Colorectal cancers in a tertiary care centre in India: A Prospective Observational Study

## Medicine

- A study of hepatic manifestations in patients with SLE & its correlation with disease activity index
- Study of clinical & investigative parameters of infections in patients of Rheumatological disorders on disease modifying agents and immunosuppressive therapy
- Study of clinical and laboratory profile of patients with venous thrombosis in Tertiary care hospital
- A study on Type I IFN pathways and its impact on disease severity of Systemic Lupus Erythematosus Inflammasome activation and regulation in SLE patients
- A study on Metabolic Syndrome and its Components in Patients with Rheumatoid Arthritis and its correlation with Disease Activity
- A Study of Hepatic manifestations in patients of Systemic Sclerosis and mixed connective tissue disease with predominant systemic sclerosis and its correlation with disease activity and severity
- EC/49/2023 – Clinical study of prevalence of masked hypertension in office normotensive diabetic people using 24 hours Ambulatory BP Machine (235 study participants)
- EC/71/2023 – Correlation of severity of thrombocytopenia with complications in patients of Malaria (217 study participants)
- EC/61/ 2023 – Correlation of Hyponatremia with serum ammonia, hepatic encephalopathy and severity of liver diseases (369 study participants)
- EC/04/2024 – Clinical and laboratory profile of hypertensive patients with hyperuricemia and its correlation with hypertension mediated end organ damage in a tertiary care hospital (7 of 268 study participants)
- EC/03/2024 – Study of prognostic role of serum chloride levels in patients with acute decompensated heart failure in a tertiary care hospital. (37 out of 170 study participants)
- EC/ 305/2023 – Utility of TyG Index in predicting insulin resistance and its correlation with end organ damage in patients with hypertension (24 out of 314 study participants)
- Clinical profile and outcome of Pancytopenia
- Clinical profile of acute flaccid paralysis.
- A Clinical Study to understand the clinical profile and assess palliative care needs of patients with chronic medical conditions admitted at a tertiary care hospital
- Estimate of Caregiver Burden in Informal Caregivers (IC) of patients receiving palliative care for chronic illnesses other than cancer
- Clinical, Laboratory Profile and Severity of Heart Failure in Patients having Proteinuria in a Tertiary Care Hospital in India.
- Study on spectrum of thyroid disorders and its relation with chronic kidney disease .A tertiary health care hospital-based cross-sectional study
- Role of newer biomarkers in prediction of recurrence of unprovoked deep venous thrombosis with ICMR.
- Clinical profile and outcome of patients with cardio renal syndrome
- Clinical profile and outcome in patients with hyponatremia
- Clinical profile and outcome of elderly patients admitted to medical intensive care unit patients
- Clinical study of renal function in patients treated with colistin
- A study of clinical profile, etiology and outcome of patients with sepsis
- A study of bleeding complications in indoor patients on oral anticoagulants
- To study the clinical profile of acute febrile encephalopathy in tropical diseases in tertiary care hospital.
- A study of clinical profile etiology and outcome in patient with pregnancy related acute kidney injury at a tertiary care center.
- Hand hygiene practices in health care workers in a medical intensive care unit of a tertiary care hospital in Mumbai
- Study of Antimicrobial Utilization & analysis in Medical Intensive Care Unit.
- Study of Clinical Profile of Pregnancy related Acute Kidney Injury and outcome.

## Microbiology

- The scabies microbiota consortium toward new interventions in collaboration with QIMR, Brisbane, Australia.
- Role/ utility of whole genome sequencing in drug resistant tuberculosis.
- Prevalence of malaria in patients attending a tertiary care hospital in Mumbai – a retrospective study.
- A retrospective of opportunistic intestinal parasites with special reference to coccidian parasites in patients attending a tertiary care hospital.

- Assessment of HIV-related stigma among healthcare workers of tertiary care teaching hospital in Mumbai – a questionnaire based study.
- Comparison of rapid immunochromatography and ELISA techniques for Hepatitis C virus serodiagnosis : a study from a tertiary care hospital in Mumbai.
- Utility of multiplex PCR for detecting neuroviruses in suspected cases of viral meningitis/encephalitis.
- Comparison of immunological, hematological and biochemical parameters in mild (non-hospitalized) and severe/moderate (hospitalized) dengue virus infection and their association with dengue serotypes.
- Surveillance of dengue virus serotypes in patients detected with dengue NS1 antigen and its co-relation with clinical and other laboratory parameters - a single center study from a tertiary care teaching hospital in Mumbai
- Site visit as a supplemental aid to improve knowledge and attitude regarding biomedical waste management among II MBBS students: A questionnaire based study
- Hand hygiene practices in health care workers in a medical intensive care unit of a tertiary care hospital in Mumbai.
- Comparing the culture yield, quantitative and qualitative, between conventional and automated (BACTEC FX 200) methods for sterile body fluids.
- Prevalence of drug resistance in extra-pulmonary tuberculosis- Five years' experience at a tertiary care centre.
- Seroprevalence of Hepatitis C virus (HCV) infection and role of serological and molecular assay in HCV detection and management: A step towards achieving the aim of National Viral Hepatitis Control Program (NVHCP).
- Seroprevalence and coinfection of HBV and HCV amongst patients attending a tertiary care hospital in Mumbai, Maharashtra.
- Profiling of self-initiated clients attending ICTC
- Superbugs on smart phones in general population.
- Time for culture conversion in patients of drug resistant pulmonary tuberculosis -Role in TB control
- Comparison of malaria rapid antigen diagnostic test, peripheral blood smear microscopy and real time PCR for diagnosis of malaria among febrile patients in a tertiary care teaching hospital of Mumbai-A Pilot Study.
- Influenza virus infection – subtypes, clinical characteristics and outcome in hospitalized patients – a single centre study
- HPV PCR testing as primary screening tool for cervical cancer in women attending gynaecology OPD at a tertiary care hospital in Mumbai.
- Comparing the culture yield, quantitative and qualitative, between conventional and automated (BACTEC FX 200) methods for sterile body fluids.
- Seroprevalence and molecular co-relation of Hepatitis B virus and Hepatitis C virus infections in Haemophiliac patients attending a tertiary care centre in Mumbai: A Descriptive study.
- Seroprevalence of Rubella infection in pregnant women attending antenatal clinics in a tertiary care hospital.
- Clinico-mycological profile of dermatophytosis and antifungal susceptibility pattern for dermatophytes - an experience from tertiary care centre.
- Influenza virus infection – subtypes, clinical characteristics and outcome in hospitalized patients – a single centre study.
- Prevalence of Scrub typhus infection among patients presenting with acute febrile illness in a tertiary care teaching hospital in Mumbai.
- Prevalence of HBV & HCV Infection In Beta Thalassemia Major Patients With Sero-Molecular Marker Correlation: a study From Maharashtra.
- Burden of laboratory confirmed tuberculosis in children and adolescents in tertiary care center.
- Correlation of *Candida auris* colonization to candidemia in Neonatal Intensive Care Unit (NICU)
- Surveillance of dengue virus serotypes in patients detected with dengue NS1 antigen and its correlation with clinical parameters – a single center study from a tertiary care teaching hospital in Mumbai.
- Surveillance of surgical site infections among orthopaedic patients.
- The study of viral gastroenteritis in patients attending tertiary care teaching hospital.
- Prevalence of Giardiasis in diarrhea patients attending tertiary care hospitals.

## Neonatology

- Breast milk fortification with human milk derived human milk fortifier (HHMF) versus bovine milk derived human milk fortifier (BHMF) in preterm infants < 30 weeks gestation: A randomised control- non inferiority trial from western India.
- Perinatal Palliative Care (PPC) and Parental satisfaction scores: A prospective observational study from a tertiary care neonatal intensive care unit in Western India.

- Clinical and microbiological spectrum of fungal sepsis in neonates admitted in tertiary care level III NICU- a retrospective observational study.
- Delayed umbilical cord clamping vs immediate cord clamping in multiple preterm gestation: a randomised controlled trial
- Large volume vs standard volume feed in early preterm babies: a randomised control trial
- Rapid vs slow advancement of early enteral nutrition in neonates with perinatal asphyxia on therapeutic hypothermia: a randomized controlled trial – non inferiority trial.
- Neurodevelopmental and ocular outcomes in preterm infants treated for retinopathy of prematurity: a prospective observational study from western india
- Early versus standard fortification of breastmilk feeds among high-risk preterm infants more than 29 weeks gestation: a randomized controlled trial
- Correlation of lung ultrasound score and NICHD neonatal bronchopulmonary dysplasia (BPD) outcome estimator score for predicting the risk of BPD in preterm neonates: a prospective observational study from western India
- Effect of kangaroo mother care (KMC) on neurodevelopmental outcome at one year of age- a prospective cohort study
- Restricted versus conventional fluid administration in extremely low birth weight neonates: a randomized control non-inferiority trial
- Effect of intermittent versus continuous phototherapy in preterm infants >29 weeks of gestation: a randomized non-inferiority trial
- Diagnostic accuracy of point-of-care testing for international normalized ratio in neonates with coagulopathy- a prospective observational study
- Hearing the unheard-Experiences and expectations of parents with preterm babies in a tertiary care level III NICU: a qualitative study of parental narratives.
- To compare early routine pharmacologic treatment of hemodynamically significant patent ductus arteriosus (PDA) to a conservative approach as per McNamara criteria for extreme preterm (<28 weeks' gestation age): a randomized control non-inferiority trial.
- Early add on enteral feeding VS standard feeding practice in late preterm and term infants at risk of hypoglycemia – A randomized controlled trial
- Comparison of Proprioceptive Nest with Standard Nesting to meet the proprioceptive needs of preterm neonates in NICU: A randomized control non-inferiority study
- Effect of duration of kangaroo mother care on cerebral blood flow in hemodynamically stable preterm infants and neurodevelopment outcome at one year of age: A prospective cohort study
- Effect of kangaroo mother care (KMC) on cerebral blood flow (CBF) in hemodynamically unstable preterm infants: A prospective cohort study
- Use of erythropoietin in reducing blood transfusion in extremely low birthweight neonates: A prospective observational study
- Delayed cord clamping for 1 minute v/s 2-3 minutes in preterm neonates- A double blinded randomized controlled trial.
- Re-feeding versus discarding gastric residuals in preterm infants less than 37 weeks of gestation
- Introducing Less-Invasive Surfactant Administration (LISA) in Delivery Room: A Quality Initiative Study

#### *Collaborations:*

- National:
  - o Facility Based Newborn Care in collaboration with National Reproductive and Child Health Program of Ministry of Health & Family Welfare, Government of India under NUHM.
  - o Special Newborn Care Unit (SNCU) software program in collaboration with Government of Maharashtra under NUHM.
  - o Ophthalmic evaluation of normal babies and High Risk NICU graduates in collaboration with KB Haji Bachooali Charitable Ophthalmic and ENT hospital, Mumbai.
- Collaboration with PGI, Chandigarh in the project titled “Selective Antibiotics when symptoms develop versus Universal antibiotics for preterm Neonates At-risk of early-onset bacterial sepsis: a multicentric, randomized, controlled, non-inferiority trial (the SAUNA trial)”
- Collaboration with Cipla foundation in the project of Neonatal Palliative Care Project.

## **Nephrology**

- We published 09 articles in PubMed Indexed journals
- We contributed to 04 chapters in nephrology textbooks
- Dr Divya Bajpai was appointed in the subject expert committee for nephrology for CDSCO

## **Neurology**

- A Phase 3, Randomized, Double-Blind, Parallel-Group, Placebo-Controlled Study to Demonstrate the Efficacy and Safety of Milvexian, an Oral Factor XIa Inhibitor, for Stroke Prevention after an Acute Ischemic Stroke or High-Risk Transient Ischemic Attack.
- Efficacy and Safety of Pozelimab and Cemdisiran Combination therapy in patients with symptomatic generalized myasthenia gravis.
- GN42272:- A Phase III multicenter, randomized, double-blind, double-dummy, parallel-group study to evaluate the efficacy and safety of fenebrutinib compared with teriflunomide in adult patients with relapsing multiple sclerosis e-pharma-03/2023

## **Nuclear Medicine**

- Role of renal scans for better calculation of renal function in crossed fused kidneys.
- Role of FDG PET CT in evaluation of cortical dysplasia.
- Role of FDG PET CT in autoimmune encephalitis.
- Classified as follows:
  - o International
  - o National – ICMR
  - o NIRRH
  - o DBT
  - o CDRI
  - o ACTREC
  - o Multi-centric
  - o NACO
  - o MDACS
  - o Others

## **Obstetrics and Gynecology**

- Comparison between cerviprime gel and foleys catheter as the initial method of induction of labour in a postdated primigravida pregnancy in a tertiary care hospital: an observational study.
- Determinants of contraceptive use in primiparous women.
- The place of Interventional Radiology in women with abnormally invasive placenta undergoing delivery.
- To study the short terms effects in closure vs non closure of peritoneum in caesarean section.
- Study of knowledge and attitude regarding HPV vaccination in a tertiary care centre.
- Knowledge and attitude of pregnant women about vaginal birth after caesarean section.
- Critical analysis of unsuccessful trial of labour after caesarean section.
- Review of cases of intrauterine fetal demise at tertiary care centre.
- Successful outcomes of trial of labour after caesarean section using FLAMM scoring system.
- Osteoporosis screening and diagnosis in postmenopausal women.
- Study of PPIUCD at tertiary care hospital.
- A Study of PGE2 gel application for cervical ripening and induction of labour comparison between continuous vs interrupted suturing technique for episiotomy repair, short and intermediate outcome.
- Anal Sphincter Dysfunction in pelvic organ prolapse patients.
- Renal involvement in patients of pre-eclampsia.
- Clinical and microbiological analysis of term and preterm premature rupture of membranes.
- An Observational Questionnaire based study on Post Partum Depression in a tertiary care centre.
- Risk factors and obstetrics outcoms in placenta previa.
- Perinatal outcome of second twin in twin gestation.

- Utility of hand held doppler in determining intrauterine fetal distress.
- Obstetric outcome in teenage pregnancy at a tertiary care centre.
- Evaluation of demographic, obstetric and neonatal factors leading to term admissions in NICU
- Perinatal outcome in postdatism.
- Effectiveness of LNG-IUS ( Mirena ) in adenomyosis.
- Critical analysis of failed induction of labour.
- Knowledge , attitude and practices of menstrual hygiene management in college students.
- USG Doppler ( CPR ) in IUGR outcome.
- Comparison of vaginal v/s LSCS in oligohydramnios in term pregnancy.
- Maternal and fetal outcomes in meconium stained amniotic fluid.
- Determinants of permanent methods of contraception in multiparous women.
- Maternal and fetal outcome in different methods of delivery of head in second stage of labour.
- Non rheumatic , non congenital cardiac disease morbidity in pregnancy.
- Placental localisation in scarred uterus , its role in maternal and fetal outcome.
- Knowledge , attitude and practices of warning signs in pregnancy.
- Role of colour doppler in perinatal outcome in term pre eclampsia.
- Knowledge and attitude of breastfeeding in females with experience of breast feeding.
- Maternal and fetal morbidities in forceps delivery.
- Maternal indications for referral to tertiary care centre and their maternal and fetal outcomes.
- Retrospective study of maternal and fetal outcomes in polyhydramnios.
- Involvement of Paternal Imprinting at Micro RNA clusters of chromosomes 14 and 19 in recurrent spontaneous abortions. With ICMR NIRRH.
- Idiopathic recurrent pregnancy loss: Possible association with prenatal exposure to endocrine disruptors and epigenetic modifications in sperm ICMR NIRRH.
- Vulvovaginal Candidiasis.
- National pregnancy and cardiac diseases of India study with ICMR.
- Determinants of acceptance of various temporary postpartum contraceptive methods among first time parents at a tertiary care hospital
- Perinatal outcome of prelabour rupture of membranes at term
- Maternal and fetal outcomes of liver disorders in pregnancy
- Evaluation and correlation of clinical ultrasonographic and histopathological findings of adnexal masses
- Study of association of lateral implantation of placenta in development of pre eclampsia and its outcomes
- Spectrum of internal organ injuries in post laparotomy surgery patients
- Study of CTG patterns in patients with meconium stained amniotic fluids at term
- Comparative study between burch colposuspension vs transobturator tape repair in case of stress urinary incontinence in women
- Occurrence of incidental malignancies in hysterectomised specimen operated for benign indication
- Comparison between medical and surgical methods of termination of pregnancy in the first 9 weeks of pregnancy
- The usage of blood products in obstetric hemorrhage patients
- Maternal and fetal outcome and placental histopathology of dengue in pregnancy
- Study of findings of diagnostic hysteroscopy in patients with infertility
- The study of outcome of short cervical length in multifetal pregnancy(twin pregnancy)- A prospective observational study at a tertiary care hospital
- The study of trends of uses of tranexamic acid in perioperative periods in patients undergoing LSCS in tertiary health care centre
- Perinatal outcome of subchorionic hematoma.
- Analysis of post caesarean section readmission.
- Observational study of patients with abnormal uterine bleeding post insertion of progestin releasing IUD.

### **Occupational Therapy**

- Effect of OT intervention & parental guidance on Play skills of children with developmental delay and problematic screen time in the age group of 2 to 5 years

- Effectiveness of Virtual Reality based intervention as an adjunct for Cognitive Rehabilitation in Parkinson's Disease and its impact on instrumental activities of daily living
- Effect of Group Intervention using Assessment of Communication and Interaction Skills (ACIS) scale in patients with Schizophrenia in a tertiary care hospital
- Effect Of occupational therapy intervention using Virtual Reality based cognitive training to improve global functioning of patients with schizophrenia
- Effectiveness of Video modeling in Teaching social communication skills to children with autism spectrum disorder.
- Effectiveness of Tailored Activity Program (TAP) on Basic ADLs in Dementia patients and its impact on caregiver burden
- Relation between Severity of Arthritis ,Physical & Psychological factors on Occupational Performance in Patients with Osteoarthritis Knee-A Cross Sectional Study
- Conventional Versus Virtual Reality assisted occupational therapy in functional improvement of patients with adhesive capsulitis -A randomized controlled trial
- Correlation of Work Performance and Impact of Work Environment on Solid Waste Management Workers with Substance Use Disorder: A Cross-sectional Study
- Comparison of Handwriting in Children of Grade 4 on Evaluation Tool for Children Handwriting (ETCH) Versus Teacher Perception of Handwriting legibility".
- Cultural variation in feeding occupation of children in the age group of 5 to 7 years in Metropolitan City in Maharashtra: An Exploratory Qualitative Study.
- Effect of Virtual reality based Occupational Therapy intervention to improve executive functions in children with ADHD.
- To compare effectiveness of sensory integration therapy alone versus its combination with behavioral intervention in enhancing food acceptance among children with autism : A randomized controlled trial
- Effect of combination of virtual reality based intervention, robotic hand glove training and conventional occupational therapy in improving upper extremity function post stroke-An Interventional study
- Exploration of Mothers Experience in Neonatal Intensive Care Unit in baby friendly Hospital-A phenomenological Qualitative study
- Experiences of parents of children with Autism Spectrum Disorder going through different stages of puberty: A Qualitative exploratory study"
- Studying the domains of communication and interaction skills according to severity of autism spectrum disorder- a cross sectional study.
- Relation between executive function performance and work performance in patients with Alcohol Use Disorder. - A cross-sectional study
- Effect of Newborn Behavioral Observations on parent infant interaction and on the development of haemodynamically stable preterm infants admitted at NICU (Experimental Study)
- Occupational Therapy Intervention Program based on Health Belief Model for decreasing excessive internet use in school going adolescents- a pretest-posttest,experimental study
- Influence of executive function on activities of daily living among patients with epilepsy in Indian scenario: A Cross-Sectional Study
- Functional Outcomes after Extensor Tendon injuries Rehabilitation at zone ( V- VII ) - Pilot Study
- Parents experiences in the waiting area of a pediatric occupational therapy Unit of a tertiary care hospital: A Qualitative study
- Efficacy of Occupational Therapy Practice Framework based program to reduce fall risk and improve occupational performance in geriatric population - an Interventional Study
- Effect of core versus hip strengthening on knee function in adults with Osteoarthritis knee: A Randomized Controlled Trial
- Determining Routine Participation of children with Autism spectrum Disorder in the group of 3 to 6 years
- Effect of metacognition-oriented occupational therapy intervention on psychosocial functioning in patients with schizophrenia- single group experimental study
- Use of Model of human occupation based occupational therapy intervention for self-care in patients with schizophrenia in acute care setup
- Influence of family caregiving on basic activities of daily living independence in mild to moderate dementia patients - A

cross sectional study.

- Correlation between coping styles and sensory processing patterns in patients with substance use disorder- a cross-sectional study
- Comparison between Test of infant motor performance, Developmental Assessment of Young Children-2 and Amiel-Tison Neurological Assessment Test in infants with 0–4-month age.
- Effects of Occupational Therapy Intervention Based on Cognitive-Behavioral Therapy on Quality of Life of Patients with Alcohol Use Disorder: A Single-Group Experimental Study
- Comparing the effectiveness of using chaser redistribution and simultaneous feeding intervention in children presenting with food packing

## Orthopedics

- Correlation of forgotten joint score and oxford knee score in primary total knee Arthroplasty.
- Morphometric study for superior pubic medullary screw fixation.
- CRP levels before & after TKR.
- Long term outcomes and survivorship of reverse total shoulder arthroplasty : A systematic review and meta-analysis.
- The role of nutrition in improving outcomes in lower limb arthroplasty : A systematic review and meta-analysis.
- The Impact of anesthesia type on outcomes in total hip arthroplasty : A systematic review and meta-analysis
- Pre op and post op unilateral and Bilateral limb length discrepancy in TKR.
- Natural history of avn hip in covid -19 infection and Retrospective analysis of in a tertiary care center.
- Prospective study to compare Ranawat's technique, Amstutz Technique and Double Stitch Technique used to Minimize Limb Length Discrepancy Intra-operatively.
- A Prospective randomized study of outcome of multiple drill holes in anterior cortex of distal femur on fixation of femoral component after cemented total knee arthroplasty.
- The functional outcome and rate of infection control in peri prosthetic knee joint infection managed with indigenously made articulating spacer with silicone templates.
- Evaluation of the outcome of controlled medial soft tissue release without a tibial stem extension in posteriorly stabilized knees of patients with severe varus of the knee.
- To study the efficacy of leukocyte esterase strip test in diagnosis of joint infections.
- The functional outcome of Long stem cemented bipolar hemiarthroplasty in comminuted intertrochanteric femur fracture in elderly osteoporotic females.
- Choosing surgical or conservative treatment for posterior malleolus fractures in Trimalleolar Fractures of ankle.
- Ankle injuries in kabaddi players.
- To compare the difference in analgesic potency of intraarticular cocktail infiltration versus transdermal fentanyl patch in post operative patient of total knee replacement.
- Does replacing patella lead to better functioning after TKR for OA knee
- Morphometric study of scapular glenoid cavity in population of western India
- Role of teriparatide in neck of femur fractures.
- Role of denosumab in preventing collapse in initial stages of AVN.
- Functioning of bipolar implants of local manufacturer a year after usage.
- Early evaluation of post-corrective osteotomy for genu varum and valgum in Children.
- Use of anterior and lateral humero-cortical line to assess.
  - o Cubitus varus in post op cases of supracondylar fracture of humerus.
- Surgical vs non surgical outcome of adults with displaced.
  - o Proximal humerus fractures..
- Study of peri implant fractures.
- Correction of coronal plane lower limb deformity – an observational study.
- Lower limb alignment in young Indian adults
- Outcomes of ankle malleolar fractures treated by ORIF.
- 3D printing in spine surgeries and its effectiveness during surgeries
- Descriptive study to analyse short term clinical and functional outcomes in lumbar disc disease in patients who refused surgery
- Effect of surgical protocol checklist in spine surgery.



- Short term clinicroadiological outcome between endoscopic and open spinal. Fusion in cases of degenerative lumbar spine diseases [pilot study.]
- Evaluation of Changes In Diaphragm after Kyphosis Correction Surgery.
- Functional Outcome of Patients of Craniovertebral Tuberculosis Managed Conservatively or Surgically Our Experience in A Tertiary Care.
- Prevalence Risk Factors And Recovery Of Foot Drop In Degenerative Lumbar Spine Pathologies.
- Incidence And Risk Factor Of Postoperative Neurodeficit In Spine Surgeries.
- Changes in patellofemoral incidences post high tibial osteotomy
- A comparative study of functional outcome of isolated medial
  - o Open wedge tibial osteotomy vs tibial osteotomy with meniscus Root repair.
- Study of functional outcome of latarjet vs iliac crest bone grafting in recurrent shoulder dislocation.
- Long fixation in degenerative scoliosis.
- Hamstring graft size and anthropometry in western Indian population
- Investigating the correlation between facet joint fluid and lumbar
  - o Instability in degenerative lumbar spine disease

### Pathology

- Sudden unexpected death in children and adolescents - A 10 year Retrospective Autopsy Study
- An autopsy study of upper gastrointestinal bleeding
- Histomorphological Spectrum of skin tumors : A retrospective study
- Spectrum of Metastatic Neoplasms of Central Nervous System -A Clinicopathological Study
- Morphological spectrum of cutaneous and subcutaneous metastases on cytology -A retrospective study
- FNAC of salivary gland lesion -5 yrs study
- A clinico-Hematological study of Thrombocytopenia.
- Histopathological study of placenta in Very preterm and moderate preterm births.
- Morphological spectrum of Tuberculosis in Pregnancy - A ten-year Autopsy study.
- An autopsy study of peripartum cardiomyopathy.
- Pathology of mesenchymal tumors of Gastrointestinal tract A Prospective and Retrospective study.
- Leriche Syndrome: 15 Years Retrospective Study
- Immunohistochemistry marker in Infiltrating duct carcinoma of the breast-A prospective & retrospective study
- Histopathological lesions of nose, paranasal sinuses and nasopharynx

### Paediatrics

- Dr. Mamta Muranjan: Principal Investigator, ICMR multicentric project “National Registry for Rare and Other Inherited Disorders” [ICMR].
- Dr. Mamta Muranjan: Co-Investigator, Immunogenicity, molecular profiling and safety of a marketed quadrivalent influenza vaccine (FluQuadriÖ) administered by the intramuscular route in children 3 – 8 years old (KEM-QIV-2-INCENTIVE) [DBT].
- Dr. Mamta Muranjan: Co-Investigator, Immunogenicity, molecular profiling and safety of a marketed quadrivalent influenza vaccine (FluQuadriÖ) administered by the intramuscular route in infants aged 6 – 12 months (KEM-QIV-3-INCENTIVE) [DBT].
- Dr. Milind Tullu: Member of MUHS Expert Committee (January 2024 to May 2024) for drafting & conversion of curriculum to Credit Points System (Academic Bank of Credits) for MUHS Fellowship in Pediatric Intensive Care.
- Dissertation Topics for M.D. students
- Dissertation Topics for M.D. students – Year 2021 admission batch (completed):

Sr. No.	Topic	Name of Teachers/Guide Name of Student
1.	An Observational Study of Clinical Spectrum and Outcome of Patients with Tuberculosis in a Tertiary Care Pediatric Intensive Care Unit.	Dr. Sunil Karande Dr. Shivani Khadabadi
2.	Parental satisfaction Regarding Patient Management in a Tertiary Care Pediatric Intensive Care Unit.	Dr. Sunil Karande Dr. Yalavathi Naga Swapna
3.	A cross-sectional observational study of clinic-etiological profile and risk factors of urinary tract infection in Children	Dr. Rajwanti K. Vaswani Dr. Dhanashree Mundle

Sr. No.	Topic	Name of Teachers/Guide Name of Student
4.	A Questionnaire Based, Cross-Sectional Observational Study of Knowledge, Attitudes and Practices of Parents Towards Childhood Epilepsy	Dr. Rajwanti K. Vaswani Dr. Rani Thomas Olasa
5.	A Cross Sectional Observational Study on Academic Performance in Children with Epilepsy and Factors influencing it.	Dr. Rajwanti K. Vaswani Dr. Arpita P Madame
6.	The economic burden of Duchenne Muscular Dystrophy at a public health tertiary care hospital in Mumbai.	Dr. Mamta Muranjan Dr. Sonu Antony
7.	The impact of COVID-19 pandemic on health care utilisation and epilepsy control in paediatric patients with epilepsy in a tertiary care public hospital in Mumbai	Dr. Mamta Muranjan Dr. Akshata Gore
8.	The impact of COVID-19 pandemic on health care utilisation of paediatric patients with beta-thalassemia major in a tertiary care public hospital in Mumbai	Dr. Mamta Muranjan Dr. Nilesh Nallewar
9.	An Observational Study of the Spectrum of Cardiac Illnesses Admitted to a Tertiary Care Pediatric Intensive Care Unit.	Dr. Milind S. Tullu Dr. Charita Maiya
10.	An Observational Study of the Etiology, Clinical Profile and Outcome of Patients with Non-traumatic Coma in a Tertiary Care Pediatric Intensive Care Unit.	Dr. Milind S. Tullu Dr. Shruti Chendkale
11.	An observational study of the spectrum and outcome of the patients admitted to tertiary care Pediatrics intensive care unit	Dr. Milind S. Tullu Dr. Chandrashekar M
12.	Evaluation of Cardiac and Hepatic iron overload in thalassemia major patients with T2* MRI	Dr. Jane J.E. David Dr. Nayanika Bhatia
13.	A study analyzing the indications for starting Anti-Tuberculosis Therapy in children with Tuberculosis in a Tertiary Health Centre.	Dr. Jane J.E. David Dr. Shweta Marandi
14.	An observational study on etiological spectrum of refractory seizures in children in a tertiary care hospital	Dr. Jane J.E. David Dr. Uttara Shreeram Ingle
15.	Assessment of Food Consumption Pattern based on Food groups and Food related Behaviors among Children aged 5-12 years: A Cross-sectional descriptive study.	Dr. Shrikant Jamdade Dr. Shamla Odayapurath

*Dissertation Topics for M.D. students – Year 2022 admission batch (ongoing):*

Sr. No.	Topic	Name of Teachers/Guide Name of Student
1.	Pediatric Index of Mortality-2 (PIM-2) and Pediatric Index of Mortality-3 (PIM-3) for predicting mortality in a tertiary care Pediatric Intensive Care Unit (PICU)	Dr. Sunil Karande Dr. Aishwarya A. Bagi
2.	A cross sectional observational study on the clinical and the etiological profile of global developmental delay in children.	Dr. Rajwanti K. Vaswani Dr. Nihali N. Gawde
3.	A cross sectional study on knowledge, attitude and practice of parents of children with cerebral palsy	Dr. Rajwanti K. Vaswani Dr. Vimlesh
4.	A cross sectional observational study on clinical profile and etiology of children with suspected Primary Immunodeficiency disorders	Dr. Rajwanti K. Vaswani Dr. Kunj Panchal
5.	An observational study of quality of life in caregivers of patients with childhood onset Gaucher Disease in India.	Dr. Mamta Muranjan Dr. Nandini Singhal
6.	An observational study of quality of life in caregivers of patients with Duchenne Muscular Dystrophy in a tertiary care public hospital in Mumbai	Dr. Mamta Muranjan Dr. Dishu Surana
7.	Prospective study of missed opportunities for immunisation among children attending genetic clinic in a tertiary care public hospital	

### **Pediatric Anaesthesia**

- Perioperative respiratory adverse events during deep versus awake extubations in pediatric patients- a single centered prospective randomised controlled trial.
- Effect of flexion on the s4 to dural sac distance in pediatric patients under general anesthesia- A prospective observational study.
- Use of real time dynamic flow tracking using ultrasound for caudal spread in young children undergoing abdominal surgeries: An observational study.

### **Pediatric Surgery**

- Ongoing studies:
- KEM pyeloplasty score for prediction of pyeloplasty in pediatric patients with uretero-pelvic junction obstruction (UPJO)

- A comparative study of role of Holmium:YAG LASER versus electrocautery for Posterior urethral valve fulguration in paediatric patients
- Assessment of stretched penile length in neonates in a tertiary care centre: A prospective study
- An Objective Hypospadias Classification System: A Prospective Study
- Measurement of urethral length in pre-pubertal boys – an observational length
- Incidence of post procedure UTI in patients undergoing VCUG under Antibiotic cover
- Injection sclerotherapy for management of rectal prolapse
- Necessity of surgical intervention based on the volume of intestinal decompression in adhesive small bowel obstruction
- Single port Laparoscopic Percutaneous Internal Ring closure for the management of pediatric female inguinal hernias

### Pharmacology and Therapeutics

- Evaluation of Prescription Pattern & effectiveness of drugs used in ADHD at a tertiary hospital.
- Evaluation of effect of lobeglitazone in an animal model of polycystic ovary syndrome.
- An observational study to evaluate awareness and adherence in female patients regarding oral contraceptive intake in a tertiary care hospital.
- Evaluation of awareness to drug treatment, prescription pattern & self-medication in patients with acne in a tertiary care hospital - a cross sectional questionnaire based study.
- Evaluation of efficacy of polyherbal formulation in adenine-induced model of CKD.
- Assessment of prescription pattern and adverse drug reaction monitoring of levetiracetam used for seizure prophylaxis in patients following neurosurgery: a cross-sectional, questionnaire-based study.
- Evaluation of antidepressant effect of probiotics (*Bacillus clausii* and *Saccharomyces boulardii*) in unpredictable chronic mild stress induced in swiss albino mice.
- To study drug awareness, self- medication practices and prescription patterns in patients suffering from non-scarring alopecia.
- Evaluation of effect of s-adenosyl-l- methionine (same) in letrozole induced model of pcos in wistar rats.
- To study the anti-arthritis potential of semaglutide on complete Freund's adjuvant (cfa) induced rheumatoid arthritis in female wistar rats.
- Evaluation of publication trends and contributions amongst the clinical and paraclinical departments of a tertiary care hospital in a metropolitan city.
- Retrospective analysis of adverse effects due to generic tyrosine kinase inhibitors given to Indian patients suffering from chronic myeloid leukemia in a tertiary care hospital, Mumbai.
- Evaluation of anticancer activity of FS-AuNPs and HCFS-AuNPs in Hepa 1-6 induced hepatocellular carcinoma model in C57BL6 mice.
- A proof-of-concept investigation into *Withania somnifera* as an adjuvant to pharmacological treatment of alcohol use disorder: a randomised double-blind, placebo-controlled, parallel-group study.
- Evaluation of the role of capsaicin on intestinal permeability, visceral hypersensitivity and gut TRPV1 receptors in patients with irritable bowel syndrome.
- Evaluation of urinary lactulose mannitol ratio and sucralose concentration in healthy volunteers.
- To evaluate anti-allergic and immunosuppressive potential of *Boerhaavia diffusa* in experimental animals.
- Meta-analysis on the prevalence of cosmetics-induced adverse events.
- Comparative analysis of risk of bias assessment: large language models versus human expert evaluation in systematic reviews.
- Assessment of physico-chemical properties of the bhasma and evaluating the effect of bhasma on animal model of parkinson's disease.

### Physiology

- **Completed Research:**
  - o Assessment of lung function by using spirometry in post -menopausal women - Dr. Munira Hirani, Dr. Barani Balasubramanian, Dr. Sathyadhevi.
  - o Effect of yoga, pranayama and well-being sessions on pain tolerance and pain threshold levels in normal healthy participants using the cold pressor technique - Dr. Sweta Salgoankar, Dr. Anita Agrawal, Isha Singhal, Purna Jha, Darshita Jatakia, Muskan Chabarea, Jay Damle.

- o A comparative study of cognitive functions between adult instrumental musicians and non-musicians - Dr. Surabhi Lakra, Dr. Amit Navare.
- o An experimental study to compare the impact of Surya namaskar and regular physical exercise on various health parameters in an age group of 25-35 years in health care employees.- Dr. Avi Borkhatariya, Dr. Devendra Patil.
- o A comparative study of cardiorespiratory endurance, handgrip endurance and reaction time between badminton players and non- sportsmen individuals of the same age group of 18 to 25 years.- Dr. Dipeeka Dhupal, Dr. Lalit Nikam
- **Ongoing Research:**
  - o Effect of kalaripayattu on pulmonary function, audiovisual reaction time and handgrip strength in Indian population aged 20-40 years of age.- Dr.Barani Balasubramanian, Dr. Manish Dhadse.
  - o A questionnaire based study on effects of Ramadan fasting on physiological parameters and the time period of the persistence of the same effects- Dr. Umme Salma Khan, Dr. Sharad Patel.
  - o A comparative cross sectional study of pulmonary function test parameters among swimmers, Yoga practitioners and sedentary population in Mumbai city-Dr. V.S Sathyadhevi, Dr. Hitesh Modak.
  - o A comparative cross sectional study on nerve conduction studies of median nerve in Carpal Tunnel syndrome patients and in normal individuals. Dr.Shweta Singh, Dr. D.N Shenvi.
  - o An analytical comparative cross sectional study of audiovisual reaction time and handgrip strength and hand grip endurance among bus drivers and control between the age group
  - o 20-45 years in Mumbai city. Dr.Gaurav Shingare, Dr. Venkatesh Rathod.

## Physiotherapy

1. Correlation of Kinesiophobia with physical function in patients post 6months of Total Knee Arthroplasty.
2. Correlation of sensorimotor impairments with hand function in unilateral cervical radiculopathy patients.
3. Assessment of Hand Dexterity among Patients with Distal Radius Fractures- A Mixed Method Study
4. Comparison of hand grip strength and writing skills in right hand dominant young adults with and without forward head posture
5. The effect of Mirror Therapy on Hand Function in patients with Distal Radius and/or Ulna Fractures
6. Assessment of Correlation of Gait Speed with Q Angle and Quadriceps Endurance among Patients with knee Osteoarthritis
7. Taping vs MET in Unilateral Trapezitis among Young Adults- A Comparative Study
8. Correlation of fear of fall with backward walking and dual tasking in elderly.
9. Comparison of Effect of Brain Gym Exercise (BGE) And Skipping Exercise (SE) On Balance and Cognitive Function in Adolescents
10. Immediate effect of resisted ankle dorsiflexor exercise with mirror therapy on motor outcomes in subjects with stroke
11. Correlation of postural control with working memory in elderly.
12. Comparison Of The Effect Of Suryanamaskar And Skipping Exercise On The Emotional Intelligence And Cognitive Function In The Adolescent Students
13. Immediate effect of Upperlimb Kinesio-taping on unimanual and bimanual functions in subjects with stroke.
14. Correlation of precision activity with health status in elderly.
15. Current practices in phase 2 cardiac rehabilitation among physiotherapists in India. A mixed method study
16. Effect of Diaphragmatic Breathing and Jacobson's Relaxation technique in Female School Teachers with Burnout Syndrome
17. Evaluation of Upper Quadrant Posture and Thoracic Mobility in Patients with Post Pulmonary Tuberculosis Sequelae: An Observational Study
18. Correlation of Core Endurance with Breath Hold Time in Normal Young Adults
19. Exploring Kinesiophobia and its correlation with functional capacity, psychological factors and days of hospital stay in adult patients after open heart surgery- A mixed method study
20. Effect of fast surya namaskar on aerobic capacity in physiotherapy students.
21. Effect of exercise and massage on sleep problems in children with cerebral palsy.
22. Evaluation of the risk of falls in older adults in urban and rural population of Maharashtra: A prospective cohort study.
23. Assessment of sensorymotor function, reaction time and hand function in older adults and comparison of sensorymotor function, reaction time and hand function in diabetic and Non-diabetic older adults.
24. Analysis of physical Performance, Musculoskeletal dysfunction and patients perception towards pain and disability in patients with nonspecific neck pain.

25. Analysis of structural changes, physical function and quality of life of patients undergoing physical therapy rehabilitation after total knee arthroplasty – a follow up study
26. Effect of lumbopelvic-hip stability exercises on pain, physical performance and self-efficacy in patients with chronic nonspecific low back pain- a randomized controlled trial.
27. Facilitating reflective practices in undergraduate Physiotherapy students: a longitudinal study.
28. To develop and validate a structured exercise protocol and assess its effectiveness in patients with subacromial impingement syndrome
29. Comparison of the effect of a structured exercise program and relaxation on Heart Rate Variability and Quality of Life in Obese adults: A randomized clinical trial.
30. Prevalence of Metabolic Syndrome in college going young adults and its association with sedentary behaviour and effect of high-intensity interval training on its components.
31. Development and Validation of a Patient Reported Outcome Measure in Indian Patients with known cardiac dysfunctions.
32. Development of measurement criteria for academic performance and its association with psycho- social factors and motor proficiency in physiotherapy undergraduates.
33. Thakur: Exploring Gaps and Capacity Building in Phase 2 cardiac Rehabilitation
34. Participation in International Cardiac Registry.
35. Development ,implementation andevaluation of module on safe mobilization Practices.

### Plastic Surgery

- Two point discrimination in Indian population.
- Strapping to reduce scars and wounds.
- Papyrus graft(Split rib): a breakthrough in structural Rhinoplasty.
- Mastering implant rhinoplasty complications: Techniques for prevention and management.
- A novel, simple, minimally invasive technique with single horizontal neck line scar for tracheo-cutaneous fistula closure.
- Hand fractures, minimal invasive techniques, Skin substitutes, wound healing
- Audit of burns due to cooking gas explosion at our center.
- An algorithmic approach for reconstruction of elbow defect using flap cover.
- A questionnaire based study regarding the perception amongst patients about the gender of their surgeon.
- Study to estimate the range of measurement of female external genitalia in Indian population.

### Psychiatry

- **A: Projects completed in 2024**
  - o Study of Personality Traits and Psychiatric Disorders in Renal and Liver Transplant Patients – Dr. Ajita Nayak, Dr. Kannenica, et al.
  - o Attitudes towards Psychological Counselling among MBBS Students – Dr. Ajita Nayak with Dr. Swara Kulkarni and Yash Kamath
  - o Impact of Coping Strategies and Mental Health Awareness on Caregiver Burden in Relatives of Patients with Major Depressive Disorder – Dr. Swara Kulkarni, guided by Dr. Ajita Nayak
  - o Study of Pattern and Clinical Correlates of Drug Addiction in Patients of Bipolar Disorder – Dr. Sourabh Pal, guided by Dr. Ajita Nayak
  - o Exploring Sexual Life and Marital Experiences in Depressed Women: A Mixed-Methods Study – Dr. Shubhangi Gupta, guided by Dr. Neena Sawant
  - o Sexual Functioning and Psychological Impact of Inertility in Women: A Qualitative Study – Dr. Shruti Tagde, guided by Dr. Neena Sawant
  - o A Cross-Sectional Study of Depression, Self-Esteem and Quality of Life among Stroke Survivors – Dr. Rohini A. Kokkalki, guided by Dr. Kranti Kadam
  - o A Cross-Sectional Study of Self-Esteem, Psychopathology and Quality of Life among Patients Suffering from Vitiligo – Dr. Utkarsh Mestri, guided by Dr. Shilpa Adarkar
- **B: Theses/Studies commenced in 2024**
  - o ACTH and Cortisol Dynamics after Overnight Dexamethasone Suppression – Dr. Saba Memon (Department of Endocrinology) along with Dr. Ajita Nayak
  - o Study of personality traits and quality of life in patients diagnosed with Pervasive Developmental Disorder - Dr. Haseeb Shaikh, guided by Dr. Ajita Nayak

- o Correlation of attachment styles with adolescent depression and anxiety - a case control study - Dr. Prachi Dixit, guided by Dr. Ajita Nayak
- o Burden of care and quality of life among caregivers of patients with Schizophrenia : A cross sectional study - Dr. Rupali Dhule, guided by Dr. Neena Sawant
- o Depression and Quality of life among patients with rheumatoid arthritis: A Cross Sectional Study - Dr. Manali Gore, guided by Dr. Neena Sawant
- o A Cross-Sectional Study of Self-Stigma, Self-Esteem and Quality of Life among Patients of Bipolar Affective Disorder - Dr. Arpana Charkha, guided by Dr. Kranti Kadam
- o A study to assess and correlate cognitive impairment and sexual dysfunctions in male patients of alcohol use disorder - Dr. Rahul Pendhari, guided by Dr. Shilpa Adarkar
- o New Projects: Initiative of Saksham App for common man

### **Pulmonary Medicine and EPRC**

1. Diagnostic & Prognostic Potential of Immunological & Molecular markers in Interstitial lung disease patients from Maharashtra.
2. Development/validation of Artificial Intelligence tool for screening & detection of Pulmonary TB & other lung diseases using chest x rays.
3. Venous thromboembolism Registry- ICMR NIIH
4. Study of novel Biomarkers in cases of unprovoked venous thrombosis – ICMR NIIH
5. Estimation of Environmental exposure to volatile organic compounds in residential population, collaboration with GSMC MRU.
6. National Environmental health profile (multi city study) MOEF & Climate Change (GOI)

### **Surgical Gastroenterology**

1. Autoantibody signature detection by serum proteomic microarray test in early detection of colonic cancers.
2. Right Colon Vs Left Colon Malignancy.
3. Co-relation of Pancreatic Fluid CEA level, Duct Size and Malignancy.
4. Study Of Functional And Morphological Changes In Liver In operated Cases Of obstructive Jaundice.
5. Outcome of Pancreatic Necrosis

#### *Collaborations:*

1. Developing Serum Markers to Predict Colonic Malignancy with IIT Mumbai.
2. Model for Predicting Liver Failure with ICT-Mumbai

### **Transfusion Medicine**

1. Rare Donor Panel Registry in Maharashtra with NIIH at incoming 4 centres in K.E.M, Kolkata Medical College, PGI Chandigarh, JIPMER Pondicherry.
2. An analytical study of evaluation of ABO Antibody Titers in Apheresis Platelet Donors and Recipients and their correlation with Post Transfusion Platelet count and Hemolytic Transfusion Reaction in the recipient.
3. Study of unexpected red cell antibodies in prospective blood transfusion recipients in tertiary care center.
4. Screening for and identification of red cells alloantibodies in pregnant females in a tertiary care center.
5. Comparative evaluation of a rapid antigen test, pLDH ELISA and microscopic examination of peripheral blood smear in detecting malarial parasite in patients and blood donors at a tertiary care centre.

### **Urology**

#### **• Completed**

- o Outcome of dorsal buccal mucosal graft urethroplasty in female urethral strictures
- o Study to assess super-added calculi over retained ureteral stents

#### **• On going :**

- o Study of natural history, clinical presentation, modes of management and role of tacrolimus in stricture urethra with BXO
- o Study of radiation cystitis in Indian population
- o Renal transplant pre and post op evaluation

- o Study of mt DNA mutations in bladder cancer
- o To evaluate Osteopontin as predictor of stone formation by its quantification in the urine of healthy volunteer and stone forming patient
- o In vitro and in vivo functions of cell surface estrogen receptors in prostate cancer
- o Mutations in ca bladder - a retrospective pilot study
- o PSP94 as an adjunct marker for serum PSA
- o Prevalence of LUTS and PVR in ambulatory relatives aged 45 years and above visiting hospital
- o To speculate nomograms of pediatric UFR
- o Dr Sujata Patwardhan as Chief coordinator in Collaborative study conducted by USI – national Audit for surgical management of BEP
- o Dr Supradeep N. - Predictive factors for persistence of LUTS in patients of benign prostatic hyperplasia after TURP – A prospective analytical study
- o Dr Gaurav Kumar Malvi- Randomized control trial in metastatic carcinoma prostate with acute urinary retention with immediate versus delayed channel TURP in patients undergoing androgen blockade.
- o Dr Soumya Nayak– To study the effects of autologous platelet rich plasma in patients undergoing visual internal urethotomy in stricture urethra- randomized control trial
- o Dr Nirmal Agrawal – A prospective comparative study of miniperc and standard PCNL for treatment of 1-2 cm size renal and ureteric stone
- o Dr Vivek Chaudhari- To study the effects of perioperative factors in laparoscopic live donor nephrectomy on the renal functional outcomes in recipient in live donor renal transplantation
- o Dr Priya Gupta- Hospital based cross sectional study of incidence, prevalence and management of female sexual dysfunction in patients with urological diseases.
- o Dr Jaymin Jaysinghani- Systematic audit of renal stone diseases and chronic kidney diseases.
- o Dr. Jinit Shah – A Questionnaire- Based Study To Evaluate the relationships between pre-operative expectations of patients with their post- operative outcomes in the department of Urology of a Tertiary care center.





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# In the Limelight

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# In the Limelight

## Anatomy



Awarans on Body Donation: Programme conducted by Dr. Kishor D. Khushale in Dadar

## Anesthesia



Faculty Group Photo of Department of Anaesthesia

### KEM अस्पताल में अब होगा गरीब मरीजों के दर्द का बेहतर इलाज

मुंबई, 8 नवंबर: केंद्र में अब गरीब मरीजों के दर्द का बेहतर इलाज होगा. केंद्र में अब गरीब मरीजों के दर्द का बेहतर इलाज होगा. केंद्र में अब गरीब मरीजों के दर्द का बेहतर इलाज होगा.



### FIRST IN MUMBAI

## KEM hospital opens pain-specialised OT for all age groups

RUPSAK AKHARJI, MUMBAI, NOVEMBER 28

THE CIVIC RUN KEM Hospital has unveiled Mumbai's first dedicated Pain Operation Theatre (OT), a state-of-the-art facility offering free, minimally invasive treatments for chronic pain.

effective treatment. In dealing the cycle of pain that can limit mobility, disrupt social interactions, and diminish overall well-being by addressing pain and preventing recurrence, we are empowered to help them reclaim their lives."



Pain OT employs advanced imaging technologies. Express

rate among the youth—are now increasingly common," Dr. Kulkarni noted. The new Pain OT offers advanced imaging technology and unsurpassed care for free of long waiting periods as their appointments were often postponed due to the demands of other departments.

### केईएममध्ये स्वतंत्र वेदना व्यवस्थापन शस्त्रक्रियागृह

लोकसत्ता प्रतिनिधी



मुंबई : मुंबईचा खादा आणि केंद्रातून वेदनाविषयक आजार उपचारासाठी नवीनच हीलिंग केंद्रात. मात्र आता योग्य व्यवस्थापन करून देण्यात येऊन रुग्णांची सुटका करण्यासाठी केंद्र...

वेदनांमुळे तरुणां प्रती सध्या घरघरून कार्यालयां काम करण्याचे प्रमाण वाढले असून ३० ते ४० वर्षांमधील मानसिकतेमध्ये लागू दुखापत्या सध्या उच्च कोट्याच्या आहेत. हा सारा वयास काळ यावेळच्या...

### वेदनांवर 'ओटी'चा उतारा

म. टा. विशेष प्रतिनिधी, मुंबई

अतिरिक्त्या, पाठीच्या दुखापत्यांमध्ये रुग्णांना दीर्घकाळ वेदना होतात. अशा रुग्णांमध्ये वेदनांचे योग्य व्यवस्थापन करून हाच यथा करण्याच्या महापालिकेच्या 'वेदनांमधील शस्त्रक्रिया' विभागाची सुरुवात करण्यात आली आहे.

#### केईएममध्ये विशेष विभागाची सुरुवात

केईएममध्ये विशेष विभागाची सुरुवात होताना, त्यांचे योग्य उपचारांचे वैद्यकीय निदान करून, वेदना नेमकी रीतीरिवाज्या कोणत्या भागात आहेत, त्यागातील कारणीभूत नसू दखली आहे. का, विशिष्ट औषधे या इंजेक्शन देऊन वेदना कमी करता येतील का, यातूनही लक्षाणी केली जाते.

#### फेलोशिपची उपलब्धता

वेदनांमधील शस्त्रक्रिया उपाहार करी घावते. त्यामुळे रुग्णांना नेमका कोणता वेद्यकीय लाभ होतो, याचे प्रशिक्षण विद्यार्थ्यांना मिळवते. यासाठी विशेष प्रशिक्षण उपलब्ध करण्यात आले आहे. केईएम रुग्णालयाच्या अतिरिक्त्या डॉ. सोनीता रावत, विभागाच्या डॅ. असता कुडळकर, यांच्या सहकार्याचे ही विशेष 'ओटी' सुरु करण्यात आली आहे. या विभागात वेदना व्यवस्थापन प्रदायीपणे करण्यासाठी निवृत्तियोग्य मतद मिळेल, असा विचारय डॉक्टरांनी व्यक्त केला.

## KEM Hospital launches dedicated operation theatre for pain mgmt

Mumbai: The BMC-run KEM Hospital has added a new feature. An operation theatre dedicated to pain management.

A relatively new medical specialty pain management focuses on medications, procedures, or exercises to relieve chronic pain associated with osteoarthritis, knee, spinal cord, cancer, among others. "Pain is inevitable, but suffering is optional," said professor of anaesthesiology Dr. Shweta Salgaonkar, who heads the pain management programme at KEM Hospital.

it back pain, neck pain, shoulder, finger, herpes, migraine, trigeminal, interstitial cystitis, or cancer pain," she said. KEM was the first municipal hospital to set up a pain management clinic in 2011, offering procedures such as botox shots, percutaneous injections, or nerve blocks (delivering a low dose of a local anesthetic or corticosteroid near a target nerve) in general operation theatres. However, with a growing demand for pain management, dean Dr. Sangeeta Ravat and head of anaesthesiology Dr. Arnab Kulkarni said the specialty deserved a dedicated OT, paving the way for the inauguration...

The burden of chronic pain is high, but very few patients get access to it," she said. The hospital's pain OPD sees roughly 1,000 patients every year, around 80% of them need some intervention or procedures. "Pain intervention is expensive in the private sector, while we provide it at free or nominal rates," said a senior doctor from the hospital. Dr. Salgaonkar said patients with acute pain need comprehensive care that includes physiotherapy. However, when they are in pain, they would not be able to undergo physical therapy. So, pain management provide a break from the pain cycle so that the patient can be treated in a wholesome manner, she added.

Research studies have shown that less than 30% of patients in India receive pain management services. An article published in "The Indian Journal of Anaesthesia" in 2017 interviewed doctors from 30 medical schools in Maharashtra and found only seven of them offered acute pain services to patients, including those who underwent surgery. "...only five out of the 30 centres provided ongoing pain education to health professionals even when the hospitals claimed to provide acute pain services," it said.



### रुत प्रत्यारोपणाने जीवनदान

मुंबई

**केईएम रुग्णालयात सुटमधील 99 वर्षाच्या मुलावर शस्त्रक्रिया**

अल्पवयीन मुलांमध्ये यकृत प्रत्यारोपण करणे आढावात्मक यशस्वी ठरते आहे. यावरून येतून डॉक्टरांनी रुग्णास जीवनदान दिले. वैद्यकीय यथेच्छाने यकृत प्रत्यारोपण, पॅसेमेकर बसवण्याच्या शस्त्रक्रियेत तातडीने केला.

डॉ. सोनीता रावत, अतिरिक्त्या, केईएम रुग्णालय

अपेक्षी रुग्णालय व्यवस्थापने मान्यता दिली. 'डॉ. काशिंडी' ने हे यकृत केईएम रुग्णालयात आणण्यात आले. वैद्यकीय चमूने मुलाचे निकामी यकृत काढून नव्या यकृताचे प्रत्यारोपण केले. प्रभातच, अम्बाला कुडळकर डॉ. प्रेषणा श्रीकांत, डॉ. चेतन कंधारिया, एचएच रितायस रुग्णालयामधील डॉ. रवी मोहंका यांनी ही शस्त्रक्रिया केली. यकृत प्रत्यारोपणानंतर १० दिवसांनी हृदयपरिगतच डॉ. अजय महाजन यांच्या नेतृत्वाखालील पथकी या मुलावर पॅसेमेकरही बसवले.



Pain management OT started in November 2024

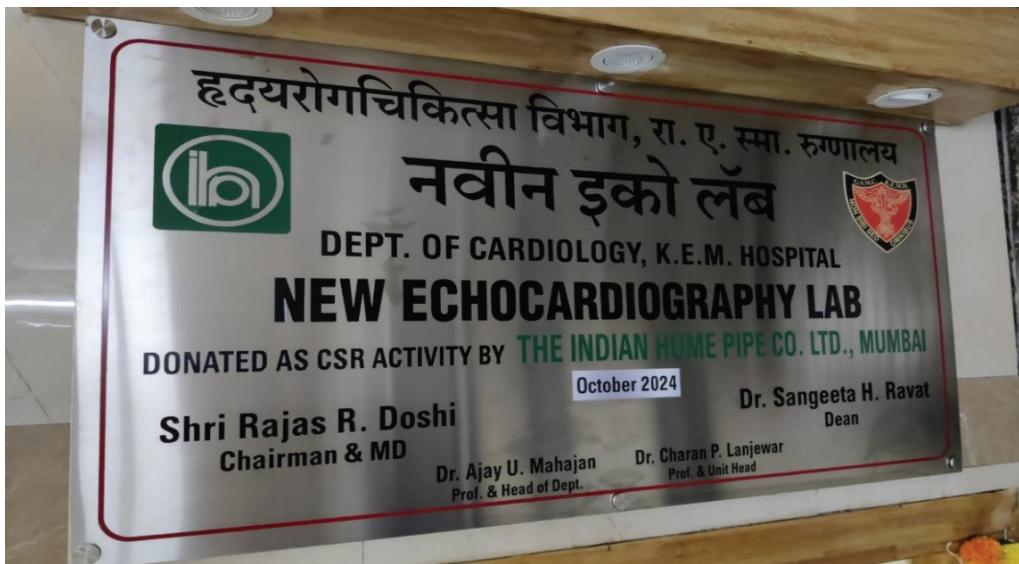


The Department has trained Medical & Paramedical Persons throughout the year

### Biochemistry



### Cardiology



**Cardiovascular and Thoracic Anesthesia**

- Team member of HEART TRANSPLANT Program
- World anaesthesia day – celebration with stress management with exercises and meditation
- Dr Sanjeeta Umbarkar talk on WAD cardiac anaesthesia for non cardiac surgery .
- Department operated on a patient with aortic valve disease difficult airway due to ankylosing spondylitis

# Heart transplant at KEM after 56 yrs, at 4th of pvt hosp cost

TIMES NEWS NETWORK

**Mumbai:** It was an emotional roller coaster as the BMC-run KEM Hospital performed its third heart transplant — 56 years after it carried out the country's first two heart transplants — to save the life of a 38-year-old rickshaw driver using the heart of a 34-year-old brain-dead woman who had suffered a stroke and delivered a stillborn child. The hospital performed the transplant for a fourth of the Rs 30-lakh price tag in the private sector and raised the money for the recipient's family through donations.

The operation, involving over 30 medical staff, began around 3.30 pm on Thursday (July 11) and was completed at 5.30 am on Friday. "We created a green corridor of a few hundred metres to take the donor from the ICU to the CVTS (cardiovascular and thoracic surgery) building in an ambulance with a ventilator in order to protect the organ," said KEM dean Dr Sanjeeta Ravat. The recipient is being monitored round the clock; KEM cardiothoracic dept head Dr Uday Jadhav said heart transplant patients remain critical for a few days.

Dr Ravat said the operation's cost of Rs 8 lakh was raised from donations from Tata Trusts (Rs 7 lakh) and the remaining from the state-run insurance scheme (Mahatma Phule Jan Arogya Yojana) and the Chief Minister's Relief Fund. Additional municipal commissioner Dr Sudhakar Shinde said, "KEM is the only municipal hospital in the country to start complex surgeries like heart transplant."

He said KEM had been planning to restart its heart transplant programme since 2017, but it gathered momentum in the last eight months over 40 meetings. "We got donations to buy expensive equipment, renovate the ICU and get the licence (for heart transplant) in November 2023," he said. Over 20 specialised equipment were purchased in the last nine months.

KEM is credited with the country's first two heart transplants (the world's fifth and sixth) in 1968 and then HOD Dr P K Sen was only the fourth surgeon in the world to perform them (see box).

To recreate the historic moment of 1968, the hospital received support from different quarters. Visiting surgeon Dr Pravin Kulkarni, who is attached to Jupiter Hospital in Thane, was a part of the transplant team as well

## IN '68 HOSP DID WORLD'S 5<sup>TH</sup> & 6<sup>TH</sup> SUCH SURGERY

On Feb 16, 1968, KEM Hospital head of cardiothoracic surgery department, Dr P K Sen, became only the fourth surgeon in the world to perform a heart transplant



As there was no law on brain death those days, the donor heart was retrieved only after it had ceased beating. This led to poor results (the male farmer who received the heart died within hours of the operation)



The same team performed India's 2nd heart transplant in September 1968, but the patient developed complications and died the next day (In 1994, India's first successful heart transplant was carried out in AIIMS, Delhi)



### THE JULY 11 KEM TRANSPLANT

- The husband of a 34-year-old woman, Saeer Parab, who had delivered a stillborn and suffered a brain bleed, donated her corneas and heart
- An Aurangabad resident, who was in heart failure for over two years, received the heart
- The woman's donation was the 27th cadaver/deceased donation in Mumbai in 2024

### PUBLIC SECTOR HOSPITALS LAG IN CADAVER DONATIONS

- India passed the Transplantation of Human Organs Act (THOA) in 1994 and the first transplant (a kidney) under THOA was carried out in Sion Hospital in 1997
- But the number of cadaver donations from public hospitals are a fraction of similar donations in private hospitals
- Deceased or cadaver donation occurs when a brain dead person's family agrees to donate his/her organs



**AFTER 56 YEARS:** KEM Hospital dean Dr Sanjeeta Ravat (foreground, fourth from right) with the surgical team

### CADAVER/DECEASED DONORS (In city, between 1997 and July 2024)

Public hospitals	Private hospitals	Total
36	644	680

- KEM Hospital has had five donations since 2009 (in 2009, 2012, 2016, 2020 and 2024)
- JJ Hospital had a donor each in 2022 and 2020

as a cardiac anaesthetist from Fortis Hospital in Mumbai; SOTTO (State Organ and Tissue Transplant Organisation) coordinator Sujata Ashtekar and Gleneagles

Hospital (Parel) transplant coordinator Rahul Wasnik helped counsel the donor and recipient families.

After KEM's transplants were carried out in 1968,

heart transplants began in Mumbai in 2015. However, only a handful of hospitals in the city offer the transplant so far, and cities in south India lead in the field.



**दरवर्षी केल्या जातात १२०० शस्त्रक्रिया**

**केईएमचा कार्डियाक अ‍ॅनेस्थेशिया विभाग हायटेक**

**सकाळ वृत्तसेवा**

मुंबई, ता. २० : केईएम रुग्णालयात सुपर स्पेशॅलिटी कार्डियाक अ‍ॅनेस्थेशिया विभाग सुरू करण्यात आला आहे. मागील पंच वर्षांपासून हा विभाग हायटेक हाताळ आहे.

या विभागामुळे आकस्मिक हजारी हृदयवर्गीय परराष्ट्रीय रुग्णांवर अहमदाबाद येथील कोमलहो अहमदाबादीय केल्या जात आहेत. अ‍ॅनेस्थेशिया विभागामध्ये आणखी अधिक उपकरणे घेण्यात आले आहेत. या विभागामध्ये मागील पंच वर्षांपासून ते १२ वर्षांच्या बुद्धिमत्तेच्या हृदयाच्या शस्त्रक्रिया केल्या जाताना, अगोप्यापणे रुग्णालय प्रशासनाचे दिवस सुरू झाले.

**१२ वर्षांपासून सुविधा**

१२ वर्षांपासून कार्डियाक अ‍ॅनेस्थेशिया विभाग सुरू करण्यात आला होता, मात्र कोमलहोवर खास करीत कार्डियाक अ‍ॅनेस्थेशिया रुग्णांमध्ये रुग्णांवर करण्यात आले. त्यांच्या मदतीने अगोप्यापणे रुग्णांच्या हृदय शस्त्रक्रिया सुरू केल्या जात आहेत, असे विभागामध्ये प्रमुख डॉ. संजिता उंबरकर यांनी सांगितले.

**विद्यार्थ्यांना तयार करणारा पहिला विभाग**

या विभागामार्फत एसी आणि डीएम कार्डियाक अ‍ॅनेस्थेशियाचे अभ्यासक्रम शिकविले जात असल्याचे डॉ. संजिता उंबरकर यांनी सांगितले. याद्वारे दरवर्षी पार विद्यार्थ्यांची तयारी केली जाते. अशा विद्यार्थ्यांना तयार करणारा हा महाराष्ट्रातील पहिलाच विभाग असल्याचे त्यांनी सांगितले.

रुग्णालयात अनेक वैद्यकीय अत्याधुनिक संगाण आहेत. ज्यामुळे रुग्णांना दिल्लीस मिळती. आग्नी वृत्तसेवा हृदय प्रत्यारोपण पार पाडते. अशा अनेक शस्त्रक्रिया फार कमी दरात आणि पूर्णपणे मोफत केल्या जातात.

डॉ. संजिता उंबरकर, अतिरिक्त, केईएम रुग्णालय

**एक लाखामध्ये एकाला आजार**

**दुर्मिळ हृदयविकारावर केईएममध्ये यशस्वी शस्त्रक्रिया**

**भायश्री भुवडे, सकाळ वृत्तसेवा**

मुंबई, ता. २२ : पालिकेच्या केईएम रुग्णालयातील डॉक्टरांनी एका ५० वर्षीय व्यक्तीच्या अतिशय दुर्मिळ हृदयविकारावर शस्त्रक्रिया केली आहे. ही व्यक्ती 'ऑक्टोप्लोमिना स्फिंटीलसपेटिस' या दुर्मिळ विकाराने ग्रस्त होती. हा आजार एक लाखत एकाच व्यक्तीला होतो, असे रुग्णालयाच्या डॉक्टरांचे म्हणणे आहे.

कोमलहो शस्त्रक्रियेदरम्यान भूतलस्थ विभाग अतिशय महत्त्वाची भूमिका निभावतो. त्यातच रुग्णालय शस्त्रक्रिया शाखेने तिसऱ्या शस्त्रक्रियेविषयी त्याला चिंता वाटत होती. मात्र, बहुदेशीय टीमने अचूकतेने रुग्णाच्या दुर्मिळ विकारावर शस्त्रक्रिया करून त्याला जीवदान दिले. रुग्णावर यापूर्वी शिप चॉट आणि सल्युब्रकल स्प्राइन्ची शस्त्रक्रिया करण्यात आली होती. मणक्याच्या शस्त्रक्रियेमुळे त्याला मान फिरवता येत नव्हती.

यासोबतच त्यांना रिफ्लेक्स अ‍ॅनिमियाचाही त्रास होता. ज्यामध्ये त्यांना नोट स्वस्त घेता येत नव्हता. या आजारामुळे त्यांची जीव धूप मोठी झाली होती. त्यामुळे होणारे खूप त्रास होत होता. रुग्णालय व्हॉल्व (भित) बदलण्याची शस्त्रक्रिया करावी लागली. यासाठी त्याला पूर्वीच वेगवेगळे काढे लागले, जे अत्यंत धोकादायक होते. यारिगाप, दुसरा ट्युमर कॅंथेर बॉल रिफ्लेक्स होता, जो खर्चिक होता. रुग्णाच्या क्वासतोलो ते पोप्य नव्हती. करण यामध्ये मांडीच्या माध्यमातून कॅंथेर टाकले जाते. डॉ. तात्या आठवले यांच्या मदतीने

सर्वप्रथम श्वसनमिकेला धोरत घातून रोबोटिक जॉइन्टोव्हीच्या सहाय्याने कृत्रिम वायुमार्ग स्थापन करण्यात आला. यानुसार साकारल्यानंतर हृदयविकाराचा त्रास उभा राहावा असा कल्पनाच निर्माण झाली. सर्किलेरी रीफ्लेक्स बायपासनेर मुख्य बायपास करण्याचा विचार केला; पण यानुसार वेगवेगळे काढे डॉ. उंबरकर यांनी सांगितले की, ही शस्त्रक्रिया डॉ. काव्याजी लेलेने यानी केली. या शस्त्रक्रियेत डॉ. संजिता उंबरकर यांच्यासह ह्यादोघी डॉ. मणक्या डॉ. पूजा विठ्ठलकर आणि संपूर्ण टीमचा सहभाग होता.



### Cardiovascular and Thoracic Surgery

- Performed a heart transplant after 57 years

### Community Medicine



Breast feeding week advocacy

### Dentistry



Doctors from London hospital visited Dept of Dentistry as part of team of WGBD, March, 2024





The Dept of Dentistry was part of the training programme for the African Delegation that visited Mumbai as part of the Multidisciplinary Training conducted by HFI and WFH.

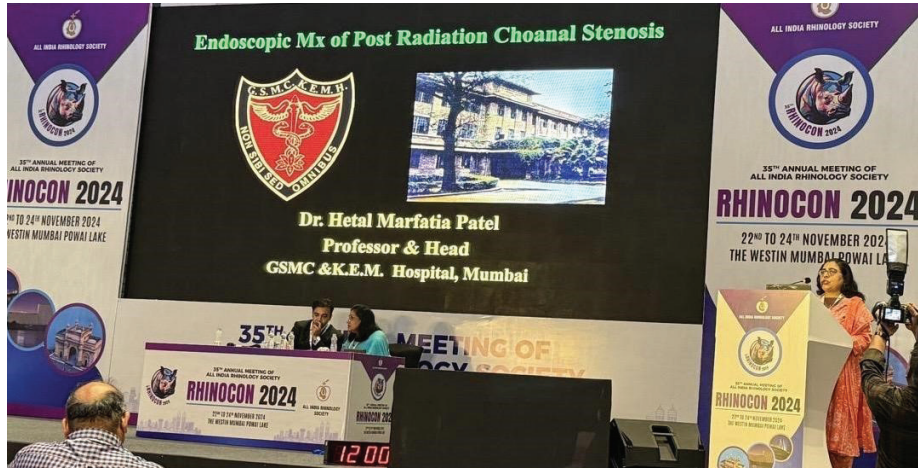
## Dermatology



Vitiligo Day Celebrations in Dermatology Dept.



Annual IADVL Clinical Meeting of KEM Hospital organised by Dermatology Dept.



Dr. Hetal Marfatia presenting the lecture on Endoscopic Management of Post Radiation Choanal Stenosis at the National Rhinology conference RHINOCON2024 held at Westin Powai Mumbai





Dr Anoushka Sahai being felicitated in the convocation ceremony held at MUHS Nashik for Gold Medal in ENT Summer Postgraduate 2022 exams



Dr Monankita Sharma being felicitated with Dr. MV Kirtane Excellence Award for Academic excellence for postgraduate student of ENT department (2024) and Dr. (Mrs) Pushpa Paralkar & MR. Suresh Paralkar Award for the Best lady resident in surgical subspecialty (2024).

### Forensic Medicine and Toxicology

- Professor & Head Dr. Harish Pathak has been appointed as Dean (Academic) of GSMC & KEMH.
- Inauguration of Special Cold Storage Facilities for Facilitating Cadaver Retrieval Training Workshops.

### Gastroenterology



### General Surgery

- New state of the art laparoscopic system has been installed in JMT operation theatre.
- JMT operation theatre new lights have been installed in two of the four operation theatres.
- JMT OT all four theatres fully operational after structural repairs.
- New OT lights for the emergency operation theatre are under the process of installation.

### Medicine

- Part of team for Organ Donation from MICU leading to 1st successful Heart Transplantation in Public Hospital on 11.07.2024.

### Microbiology



Faculty & Staff of Department of Microbiology, Seth GSMC & KEMH with the Dean, Dr. Sangeeta Ravat



2024 - Faculty and residents from Department of Microbiology. Seth GSMC & KEM Hospital, Mumbai



Dean, KEMH, Dr.Sangeeta Ravat, inaugrating the 'MALDI-TOFF Microbial ID VITEK MS PRIME' system



Dean, Dr.Sangeeta Ravat, Prof. & Head, Dr.Chaya A. Kumar, Prof. emeritus Dr.Gita Nataraj with the automated 'MALDI-TOFF Microbial ID VITEK MS PRIME' system



World AIDS Day commemorated with testing and counselling sessions for those visiting OPD at K. E. M. Hospital by the Department of Microbiology

### Neonatology

- Newspaper / Magazine report / TV program:  
Breastfeeding week celebration was conducted in the Neonatology department with emphasis on improving the Knowledge, Attitude and Practice in nursing mothers.



Ventilation workshop organized from 19th-23rd August,2024



Counselling mothers and encouraging parents for prolonged stay in NICU(Pain and palliative care team)  
Cardiovascular and Thoracic Surgery vascular cannulation workshop 2024

### Nephrology

- Dr. Sayali B. Thakare presented an oral paper and won the Best Abstract Award at the Asia Pacific Society of Nephrology (APCN), Seoul, South Korea in June 2024

### Neurology

1. Patient Awareness Short films for Epilepsy , Management of Hyperacute stroke, Dementia and GBS in collaboration with Whistling woods International Institute with the help of donation by Mrs. Aruna Advani.

#### Guest lectures:

- Dr. Dilip Yavagal, Professor neurology and neurosurgery, Umiami, Global chair Emeritus mission Thrombectomy , took lectur on “Newer stroke treatments”
  - Dr. Sebastin Koch, associate professor,Miami school of medicine took lecture in december 2024 on “Trends in Intracranial Hemorrhage”
2. WIN epilepsy application was successfully used for maintaining Electronic Health records of Epilepsy patients for the past one year.
  3. Dr. Sangeeta Ravat was elected as president of Indian academy of Neurology 2024-2025.
  4. Dr. Sangeeta Ravat continued successfully the post of Dean of Seth GSMC & KEM Hospital.

### Occupational Therapy



National workshop on Neurodevelopmental Care in the NICU in March 2024

## Obstetrics and Gynecology



Photographs highlighting special activities of International nature or Inter-departmental nature Karl Storz office and operative hysteroscopy workshop in Ob Gyn dept



Demonstration and hands on experience of office hysteroscopy.

## Orthopedics



Cuvis Robot for Total Knee Arthroplasty





Hand and Wrist course on 16 to 18 February 2024



PG Training Course 7 to 9 March 2024



Cadaveric Workshop for Robotic Total Knee replacement on 7 July 2024



BOS Hand Surgery Course on 18 to 21 September 2024



Shoulder Symposia short talk of Dr. Didier on 18 November 2024



Orthopaedics Department Photo

## Pathology

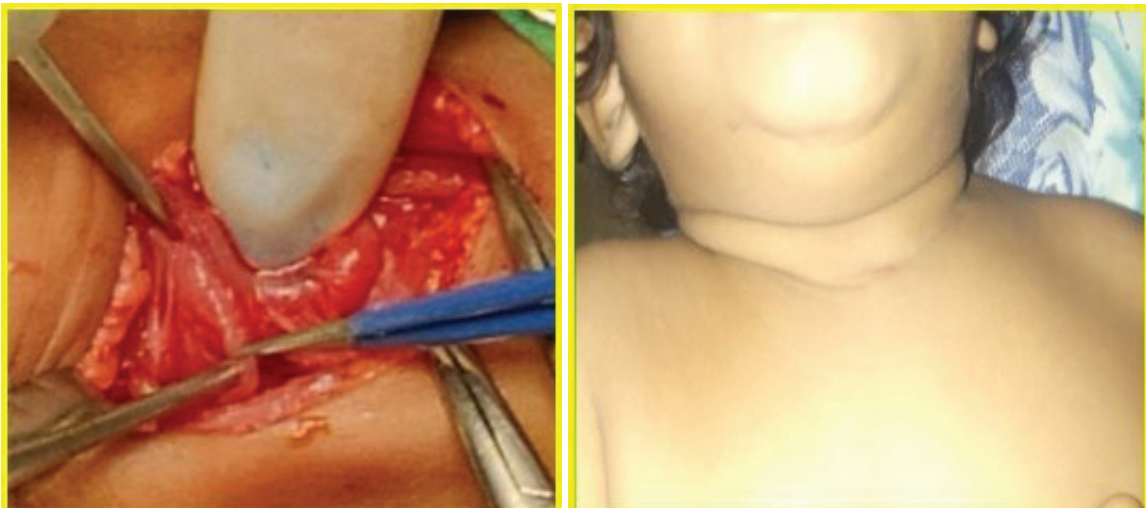


Prizes at State conference MAPCON-2024



Prizes at National conference APCON-2024

## Pediatrics



Operated 2 cases of NSPHPT – Neonatal severe Primary Hyperparathyroidism

## Pediatric Anaesthesia



Pediatric Pain Services



Difficult airways and bronchoscopies managed with Pediatric size FIVE scope



DM Pediatric Anesthesia Exam Jan 2024 (Dr Anila Malde, Dr Rakhi Goyal, Maj Sanjay Choubey, Dr Indrani Chincholi – Examiners & Dr Udit Parmar- examinee)



Dr Uditi Parmar and Dr Gayathri P received 1st Prize in Poster presentation and Video Presentation in IAPA 2024 National Conference at Noida



Dr Amrit Kaur (Assistant Professor) being conferred the prestigious European Diploma in Anesthesia and Intensive care in Glasgow



Sahyog Trust in association with Jain Doctor's Federation donated Karl Storz FIVE scope 3mm pediatric size flexible video endoscope worth Rs 23 lakhs



Pediatric Anesthesia OPD and pain clinic started in 2023

### Pharmacology and Therapeutics (Ayurveda Research Centre)

Dept. of Pharmacology & Therapeutics  
Seth GS Medical College &  
KEM Hospital, Mumbai.

AstraZeneca

## PHARMASTEER 2024

Empowering Future Medical Leaders

VIRTUAL

### ORIENTATION PROGRAM

FOR POSTGRADUATE MEDICAL STUDENTS

13<sup>th</sup> DECEMBER 2024

Session Time: 2.00 pm - 4.15 pm

KEYNOTE SPEAKERS

FRIDAY, 13<sup>th</sup> DECEMBER 2024 - 2.00 pm - 4.15 pm

<b>2.00 pm - 2.30 pm</b>	<b>Topic - The Art of Storytelling: Communicating Science with Impact</b>
<p style="font-size: small;">Dr. Subhanakar Basak Lead, Diagnostics and Health Innovation Hub, AstraZeneca, Bangalore</p>	
<b>2.30 pm - 3.00 pm</b>	<b>Topic - Next Generation Medical Affairs</b>
<p style="font-size: small;">Mr. Robin England International Medical Excellence, Associate Director, AstraZeneca</p>	
<b>3.00 pm - 3.30 pm</b>	<b>Topic - Antibiotic Stewardship: Need for Academia-Industry Partnership</b>
<p style="font-size: small;">Dr. Nusrat Shaikh Faculty, Clinical Pharmacology Unit, Dept. of Pharmacology, PGIMER, Chandigarh</p>	
<b>3.30 pm - 4.00 pm</b>	<b>Topic - Nurturing a Career as Pharmaceutical Physician</b>
<p style="font-size: small;">Dr. Vinay Rajadhyaksha Lung &amp; GI Cancers Franchise Head, International Markets, AstraZeneca, India</p>	
4.00 pm - 4.15 pm Internship Announcement and Vote of Thanks	
<p style="font-size: x-small;">Dr. Ashish Kumar Dubey Manager Medical Affairs AstraZeneca Pvt. Ltd, India</p>	<p style="font-size: x-small;">Dr. Padmaja Marathe Professor Additional Department of Pharmacology and Therapeutics Seth GS Medical College and KEM Hospital, Mumbai</p>

Scan QR Code to Register Now!  
Registration is free

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Approved Date: 20<sup>th</sup> 11/2024  
Approval Code: 2024/0204



## Pharmacy

Special Achievement of the Year 2023 - 24”\*

Felicitation by. Hon. Dr. Daksha Shah, Executive Health Officer.

Providing exemplary training to Pharmacists and Medical Officers at आपला दवाखाना, on...

1. Ideal Dispensing & Medication Error.
2. Inventory Control and Management.

Enhancing the skills and knowledge of healthcare professionals, ensuring improved patient care and safety.



## Physiology

- Ms Saakshi Shree Singh was awarded ICMR Short term studentship 2023- under guidance of Dr.Munira Hirvani

### Psychiatry

- Our department led the Pledge for a Drug-Free India for students and faculty members of SGMC, as part of the Nasha Mukh Bharat Abhiyaan of the Ministry of Social Justice and Empowerment.

### Physiotherapy



### Pulmonary Medicine and EPRC

**Dr. Randeep Gulera**

- > Former Director, Professor Pulmonary Medicine
- > All India Institute of Medical Sciences, New Delhi
- > First DM in Pulmonary Medicine in the country
- > Over 485 publications peer Reviewed Publication
- > 58 chapters in textbooks.
- > 55 research grants, Projects
- > 13 orations
- > 750 invited lectures across Globe

**Summary**

- On an average - 1700 breaths /day
- How you choose to breathe can influence health
- Our breathing was built to improve posture, promote energetic/active body during movement and positively influence other aspects of health
- Sedentarism is a high risk factor - LET'S MOVE MORE

### Surgical Gastroenterology

- Dr. Chetan Kantharia was Elected as President of Indian Chapter of IHPBA
- Dr. Ramkrishna Prabhu was appointed as Secretary of ROTTO-SOTTO.



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# Looking Ahead

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# Looking Ahead

## **Anatomy**

- Hosting a state level conference an apart of centenary year celebration
- Planning virtual dissection table and/or dissection software to facilitate teaching learning process

## **Anesthesia**

- 10 bedded HDU
- State of Art Superspecialty Operation Theatres.
- Peri-operative Management of Liver Transplant Surgeries.
- Urosurgery anaesthesia Fellowship will be started.
- Simulation centre for anaesthesia department

## **Biochemistry**

- The department is planning projects on newborn screening, identification of metabolic disorders, and establishing QA in all clinical laboratories
- Reducing turnaround times and minimising pre analytical errors
- E lab renovation

## **Cardiology**

- Creation of a 'War Room' for the recently sanctioned STEMI Program for real time monitoring of STEMI patients presenting to the EMS for emergency treatment including primary angioplasty. Long term data of these patients will be collected and maintained here.
- Creation of a Radial Lounge to enable performance of transradial coronary catheterization as a day-care procedure for patients' convenience.
- Creation of the state-of-the-art Cardiovascular Conference Hall as a learning center for residents of Cardiology and CVTS Departments and to enable coordinated academics.

## **Cardiovascular and Thoracic Anesthesia**

- Involvement and establishment of Heart Failure program including ECMO, VAD, Heart Lung Transplant.
- Improvement in academics and infrastructure of the department for better health care management and simultaneous education of young minds
- Procurement of proper place for the department.
- Equipment addition for better patient care: 4 D TEE machine, High end anesthesia workstation, Thromboelastography for blood management in the perioperative period, advanced minimally invasive cardiac output monitor and a TEE simulator lab
- Anaesthesia for more advanced procedures like Endobronchial Ultrasound guided biopsy and staging of tumors will happen in near future.

## **Cardiovascular and Thoracic Surgery**

- Heart Transplant Program.
- ECMO program (extra corporeal life support)
- Minimally Invasive Cardiac Surgery (MICS)
- Hybrid Cardiac and Vascular Interventions

## **Clinical Hematology**

- To increase the bone marrow transplants.
- To have a dedicated Bone Marrow Transplant ward.
- To improve diagnostic facilities in department.

**Clinical Pharmacology**

- To develop estimations of immunosuppressants for liver and renal transplant programs and anti-tubercular drug estimations

**Dentistry**

- Procurement of Digital OPG machine
- Procurement of intraoral scanner for FPDS- Fixed Panel Dentures

**Dermatology**

- Campus and Infrastructure- Strengthening services in dermatosurgery by upgrading facilities in Minor Operation Theatre for small day care surgeries.
- Planning more innovative cosmetic procedures like Threads, Botulinum toxin and Fillers for Cosmetic Dermatology.

**Endocrinology**

- Diabetes services to be enhanced to curtail number of patients visits.
- Establish clinic for “Disorders of sexual development”
- Neuro Endocrinology clinic and Thyroid Sonography
- Establish newborn screening programmes in congenital hypothyroidism and congenital adrenal hyperplasia
- Establish genotyping in patients with Various Endocrine disorders.
- Start a diabetes Educators programme for nursing staff/ Medical social worker.

**Forensic Medicine and Toxicology**

- Development of Centre of Excellence for Virtual Autopsy
- Starting Forensic Odontology and Human Identification Laboratory
- One Stop Centre of Excellence for comprehensive care of survivors of sexual assault.

**Gastroenterology**

- Endoscopy : Starting enteroscopy, cholangioscopy and third space endoscopy services.
- Hepatology fellowship for post DM / DNB gastroenterology candidates.
- Pediatric gastroenterology fellowship
- Fellowship in endoscopy
- Fellowship in motility disorders
- Fellowship

**General Surgery**

- NABH accreditation and renovations planned

**Medicine**

- Aim is to strengthen Palliative care services for OPD & IPD patients at KEM hospital.
- Addition of services like CRRT machine, Central monitoring system, HMIS and Indirect Calorimetry for better nutrition management
- Advance ventilators with ASV Mode with inbuilt indirect calorimetry

**Microbiology**

- Expanding the scope of molecular testing.
- WGS platform for infectious disease diagnosis, drug resistance detection and molecular epidemiology.
- Initiating TB drug resistance testing using Xpert XDR rapid molecular test

**Neonatology**

- Point of care Lung ultrasound in newborns

## **Nephrology**

- Expand CAPD programme specifically catering to patients with HIV-AIDS
- Establish well equipped AVF – operation theatre with vascular clinic
- Establish a dedicated paediatric nephrology clinic
- To introduce certificate course in acute dialysis for dialysis nurses and technicians
- To expand the deceased donor renal transplantation programme, expand swap transplant programme and computerize the records

## **Neurology**

- Planning to start **invasive EEG monitoring unit** (EMU) services for refractory epilepsy patients
- Plan to do more **VNS procedure** in patients with drug refractory epilepsy.
- Start Dementia ward for Alzheimer's and other dementia patients.
- Plan to start **Deep Brain Stimulation (DBS)** procedure for Parkinson's patients

## **Nuclear Medicine**

- Starting FAPI PET scans,
- Education: starting MD in Nuclear Medicine,

### *Research:*

- Role of Nuclear Medicine in FDG nonavid tumors using FAPI.

## **Neurosurgery**

- Renovation of Ward 33

## **Obstetrics and Gynecology**

- The IVF and Art centre is taking shape at a rapid pace and should be able to serve the community by June 2025.
- Upgradation of Labour ward is planned.

## **Occupational Therapy**

- Rehabilitation using latest technology and evidence based protocols
- Setting up of a training center for the differently abled
- Early intervention in high risk infants through telemedicine
- E learning and simulation labs
- Standardize various scales for Indian population

## **Ophthalmology**

- Improving patient care through better care and accessible and advanced machines.

## **Orthopedics**

- Modular operation theatre (8 theatre with HDU on the same floor complex – 4th floor)
- Expansion of Department area (6th floor) in view of MCI guidelines.
- Speciality OPD services in Orthopaedics OPD complex. (In arthroplasty, shoulder, Knee, paediatric orthopaedics, Spine, Joint preservation surgeries)
- Sports Medicine Center.
- Establishment of paraplegic rehabilitation center
- Establishment of dedicated intensive care unit with bed capacity of 8 for orthopaedics

## **Pathology**

### *Patient care*

- Acquisition of Laboratory information management system for improving laboratory functioning and offer better patient services
- Upgradation of Surgical Pathology with grossing station and expansion of IHC panel

- Continuing upgradation of hematology automation.
- Continuing upgradation of pathology laboratories with NABL accreditation

#### *Education*

- Virtual class room for II MBBS

#### *Campus and infrastructure*

- Modernization of museum.

### **Pediatrics**

#### *Patient Care:*

- Initiation of new Pediatric Gastroenterology OPD.
- Increase in teaching units from 3 to 4 at KEM Hospital.

#### *Education:*

- Initiation of DM (Medical Genetics) and DM (Pediatric Intensive Care) super-specialty courses.

### **Pediatric Anesthesia**

- Facilities for faculty rooms, Library and seminar room to be made.
- Creation of Anesthesia workstations.
- Guest Lectures in Neonatology by Dr Dwayne Mascarenhas from Department of Neonatology Sick Kids Toronto

### **Pediatric Surgery**

- Plan to start comprehensive Pediatric Endourology Setup.
- Dedicated Pediatric urology clinic
- Start Robotic surgery

### **Pharmacology and Therapeutics**

- Publish a booklet on case studies for II MBBS students.
- Continue to conduct workshops on GCP, Ethics and Research methodology for Government and Private Institutions and Institutional Ethics committees.
- Conduct PHARMATECH-2025, a national workshop for postgraduate students of Pharmacology
- Conduct a Pharmacology Quiz for undergraduates
- Conduct PHARMASTEER-2025 an orientation program in medical affairs function in collaboration with AstraZeneca

### **Physiology**

#### *Patient services:*

- Assessment of physical fitness
- Offering exercise prescription for cardiorespiratory endurance
- YOGA for wellness
- Lifestyle modification counselling services
- Intraoperative nerve conduction studies

#### *Proposed academic training for faculty:*

- Nerve conduction studies
- Electromyography
- Polysomnography

#### *Certification course*

- Exercise Prescription

#### *Setting up of research Labs:*

- Exercise Physiology Laboratory
- Neurophysiology Laboratory
- Sleep Laboratory

### **Physiotherapy**

- Introduce virtual reality for cardiac and pulmonary patients
- Setting up preventive community care: Awareness of Cardiac risk factors in adolescents.

### **Plastic Surgery**

- Expand laser clinic – for vascular malformations as well as post burn scarring
- Upgrade burn services to have a burn ward for male patients

### **Psychiatry**

- Expand DTC scheme of Ministry of Health and Family Welfare
- Extend biofeedback therapy for diverse patient groups

### **Pulmonary Medicine and EPRC**

1. Large scale validation of EBC device
2. Allergen testing
3. Expansion of interventional pulmonology services
4. Incorporation of indoor air quality monitoring as part of microenvironment survey

### **Radiology**

- Starting 100 day campaign for eradication of TB from 07 Dec 2024.

### **Surgical Gastroenterology**

- To strengthen our Liver Transplant and Bariatric/ Metabolic Surgery Program.
- To start Robotic Surgery

### **Transfusion Medicine**

- Full automation in Component Separation and Extraction.
- Full Automation in grouping and crossmatching of blood /Automated immunohaematology analyzer

### **Urology**

- Installation of cutting-edge Robotic system to boost Minimal Invasive Surgery programme





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# Committees, Societies, Services and Publications

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# Committees, Societies, Services and Publications

## Academic Committee

A total of four meetings were held this year and matters pertaining to undergraduate and postgraduate students were addressed and discussed. This year's highlight was the establishment of the UCLA-KEM undergraduate student exchange program. A MOU was signed with UCLA and three of our UG students have been shortlisted for the exchange for the first quarter of 2025

## Department Development Fund [DDF]

Following educational activities were undertaken by the respective departments through the Department Development Fund

- Cardiac Anesthesia: workshop-based CME on 13<sup>th</sup> and 14<sup>th</sup> April 2024.
- Endocrinology: Workshop-based CME on 18<sup>th</sup> April 2024.
- ENT: PGCON 2024 on 5<sup>th</sup> and 6<sup>th</sup> July 2024.
- Dermatology: IADVL Maharashtra Branch on 19<sup>th</sup> July 2024.
- Bio-chemistry: 4<sup>th</sup> Certificate course in Clinical Laboratory Practices
- Pediatrics: Mucopolysaccharidoses Master Class seminar on 10<sup>th</sup> July 2024.
- Hematology: workshop and conference on 26<sup>th</sup> and 27<sup>th</sup> October 2024.
- Endocrinology: conducting CMEs for Physicians, Pediatricians and Gynecology).
- Hematology: Conducting workshop and CME on 26<sup>th</sup> & 27<sup>th</sup> October 2024 for Maharashtra NHM doctors and staff.
- Endocrinology – Physicians CME- oct 2024
- Orthopedics: Symposium on Shoulder on 18<sup>th</sup> November 2024.

### Research:

DDF has received donations for research projects of following departments and these are ongoing and some are completed

- Gastroenterology- A Prospective, Multi-Centre, Double-blind, Randomized Trial of Saroglitazar 4 mg versus Placebo in patients with Non-Alcoholic Steatohepatitis"- Cadila Health Care Ltd
- Gastroenterology- Phase III, Randomized, Double-blind, Placebo-controlled, multicenter study to evaluate the efficacy and safety of Eytolizumab compared with moderate to severe active Ulcerative Colitis who are naïve to TNF inhibitors – Genentech
- Gastroenterology - An open extension and safety monitoring study of moderate to severe ulcerative colitis patients previously enrolled in etrolizumab phase II/III studies"- Genentech
- Gastroenterology- A study gonadal function in male Budd Chiari syndrome (BCS) patients before and after appropriate therapy.
- Ophthalmology- PSV-FAI-005-"A multi-center, controlled, safety and efficacy study of a fluocinolone acetonide intravitreal (FAI) insert in subjects with chronic non-infectious uveitis affecting the posterior segment of the eye- Point Pharmaceuticals
- Endocrinology- Effect and safety of semaglutide once-weekly versus insulin aspart three times daily, both as add on to metformin and optimized insulin glargine (U100) in subjects with type 2 diabetes. Trial ID: NN9535-4386- Novo Nordisk India Pvt. Ltd
- Hematology- Safety of turoctocog alfa for prophylaxis and treatment of bleeding episodes in previously treated patients with moderate or severe Haemophilia A in India. (Protocol ID: NN7008-4304)- Novo Nordisk India Pvt. Ltd
- Clinical Pharmacology- Study for "Evaluation of Genetic polymorphism of CYP3A5 in normal healthy participants of Western India-a cross-sectional study"- academic study
- Clinical Pharmacology - "Efficacy and safety of **Gut Gard** in patients with gastro-esophageal reflux disease (GERD) -A Phase III, single Centre, double-blind, parallel group, randomized placebo-controlled trial"- natural Remedies
- Clinical Hematology -"Open-label, long-term safety and efficacy study of Mim8 in participants with hemophilia A with or without inhibitors- Frontier 4".
- Endocrinology- Study for Range of salivary cortisol and Overnight dexamethasone suppressed serum and salivary cortisol in chronic renal failure patients.
- Endocrinology- Prevalence of primary aldosterone's in patients with type 2 diabetes mellitus and hypertension.
- Endocrinology- A 52-week study comparing the efficacy and safety of one once weekly IcoSea and once weekly, insulin

icodec, both treatment arms with or without oral anti-diabetic drugs, in participants with type 2 diabetes inadequately controlled with dail basa; insulin- NovoNordisk Pvt Limited

- Endocrinology- “Investigation of the safety and efficacy of once weekly NNC0519-0130 in participants with type 2 diabetes- a dose finding study: Trial ID: NN9541-4945.
- Endocrinology -“Non -classic 21-Hydroxylase deficiency among women with PCOS: Study from western Indian Population”
- Endocrinology- Efficacy and Safety of Once-weekly Insulin Icodec when switching from Daily Basal Insulins compared to once-dailyInsulin Glargine U100 in Adults with Type 2 Diabetes
- Endocrinology - Efficacy and Safety of Once-weekly Insulin Icodec when switching from Daily Basal Insulins compared to once-dailyInsulin Glargine U100 in Adults with Type 2 Diabetes”.
- Endocrinology- Investigation of the safety and efficacy of once weekly NNC0519-0130 in participants with type 2 diabetes- a dose finding study: Trial ID: NN9541-4945.
- Nephrology – Flow effect of semaglutide versus placebo on the progression of renal impairment in subject with type 2 diabetes and chronic kidney disease- funded by NovoNordisk
- Nephrology - Project for “Randomized Control trial to compare effects of Atenolol vs Telmisartan in hemodialysis patients with uncontrolled hypertension.
- Nephrology- Project for Humoral Response to SARS-coV vaccination in Indian Kidney Transplant recipients. [EC/OA-29/2022].
- Nephrology- Randomized Control Trial to compare effect of Atenolol vs Telmisartan in hemodialysis patients with uncontrolled hypertension
- Clinical Pharmacology- Bloodstrem infection study and use of Minolock – Leonard Meron Biosciences
- Ophthalmology - “A Comparative, Double -Blind, Randomized, Multicenter,Phase III study to compare the study & efficacy of ENZ105 of Enzene Biosciences Ltd with Innovator Rambizumab in subject with Neovascular (Wet) Age relid Macular Degeneration (AMD)- Alkem Labs
- CVTS - Clinical Investigation for the Foldax TRIA Aortic Heart Value- Foldax India Pvt. Ltd
- Pediatric Anesthesia- Swaddle Vs Swaddle with Oral Melatonin for MRI in Neonates an Infants -A prospective Randomized Control Study.
- Obstetrics and Gynecology- “MC/PLX/22-002 An open Label, Randomized, Prospective, Multicentric Clinical Trial to Evaluate the efficacy and safety of Parenteral Placentrex with oral Azithromycin vs oral Azithromycin alone in chronic and Recurrent pelviv inflammatory Disease.
- Nephrology- Ovarian dysfunction in lupus nephritis- Academic Study
- Nephrology- Randomised control trial to study the safety and efficacy of dual blockade of Renin Angiotensin Aldosterone System in Primary Glomerular disease.”- Academic study
- Clinical Hematology – Luspaptcept study- Bristol Meyers sponsored
- Clinical Hematology- Project for” Safety, efficacy an exposure of subcutaneously administered NNCO365-3769 (Mim 8) Prophylaxis in children with Hemophilia A with or without factor VIII inhibitors (Frontier 3)- Novartis Healthcare Pvt Ltd sponsored

#### *Funds sanctioned*

- Staff Society: Contribution to Photography (50% amount) from DDF General fund.
- Dr. Ujwal Rathod (Centre in charge): Jio Net connection / Wi-fi for strong room through DDF General account.
- Dr. Nithya Gogtay (NAAC Co-Ordinator): Sanction of Rs.1.5 lacs from each society as intra mural funds for NAAC accreditation.
- Bio-chemistry: Sanction for Pre-Approval for NABL Assessment Expenses through DDF General
- Fund of Rs.50,000/-.
- Gosumec Alumni Association: Contribution to renewal of Remotex software *through DDF General Fund* of Rs 47,200/-
- Dean Office: Sanction for Purchase of PTZ Camera and USB Based Speaker.
- Community Medicine - sanction for expenses of Centenary Logo of Rs.5000/-through DDF General Account.
- Modification of Gate No.1,2,3,4,5, &7 for Centenary 2026 of Rs.19,00,000/- *through DDF General Fund.*
- Modification of Gate No.1,2,3, &7 for Centenary 2026 of Rs.10,38,000/- *through DDF General Fund.*
- Modification of Gate No.2&3 for Centenary 2026 of Rs.10,62,000/- *through DDF General Fund.*
- Contribution to renewal of KEM Website & social media (Instagram, You Tube and LinkedIn accounts) 20% amount from DDF General fund.

### Donations and Grants

- Research - 84,10,716.00
- Training Programs/workshop- 12,54,500.00
- Awards- 8,480.00

### Meetings

- A total of 12 meetings were held in 2024. Thirty five projects are ongoing

### Department of Medical Education [DOME]

Department of Medical Education has been recognized by NMC as GSMC-KEMH-NMC Nodal Centre to conduct the Revised Basic and Advance Courses in MET. It is also recognized by FAIMER, Philadelphia as a Centre for its Regional Institute (GSMC-FAIMER Regional Institute).

Dr. P.B.Iyer is Coordinator, Department of Medical Education and Convener, GSMC-KEMH-NMC Nodal Centre

- Courses conducted at the GSMC-KEMH-NMC Nodal Centre
  - A. Basic Course in Medical Education
    - i. Basic Course in Medical Education for MEU resource faculty/Curriculum Committee members only of allocated medical colleges
    - ii. Basic Course in Medical Education for full time Teaching faculty of In-house and allocated medical colleges
- Curriculum Implementation Support Program
  - i. Five Curriculum Implementation Support Program for full time teaching faculty of allocated medical colleges

#### B. Basic Course in Medical Education (BCME) workshops conducted at the following

Sr. No.	Name of Institute	Dates
1.	Hinduhridaysamrat Balasaheb Thackeray Medical College & Dr R N Cooper Municipal Hospital, Juhu, Mumbai-400056	15 <sup>th</sup> – 16 <sup>th</sup> April 2024
2.	Grant Government Medical College & Sir JJ Group of Hospitals, Byculla	18 - 20 April 2024
3.	Terna Medical College & Hospital, Navi Mumbai	5 – 7 March 2024
4.	MGM Medical College & Hospital, Kamothe, Sector – 1, Navi Mumbai	19 – 21 June 2024
5.	BKL Walawalkar Rural Medical College Sawarde, Chiplun	27 – 29 September 2024
6.	Topiwala National Medical College & BYL Nair Ch Hospital, Mumbai	8 – 10 October 2024
7.	LTMMC &LTMGH, RB2 Central Railway Quarters, Dr.BA Rd, Sion West, Mumbai-22	8 - 10 October 2024
8.	K J Somaiya Medical College & Research Center, Mumbai	27 – 29 November 2024

- 14<sup>th</sup> Advance Course in Medical Education from 8<sup>th</sup> – 15<sup>th</sup> January 2024.
  - 15<sup>th</sup> Advance Course in Medical Education from 1<sup>st</sup> – 8<sup>th</sup> July 2024.
- GSMC FAIMER REGIONAL INSTITUTE - Under Department of Medical Education
- The Nineteenth GSMC FAIMER Regional Institute programme was conducted at Seth GS Medical College & KEMH, Mumbai from 1<sup>st</sup> April to 7<sup>th</sup> April 2024.

The following sessions were conducted:

- |                                             |                                                   |
|---------------------------------------------|---------------------------------------------------|
| • Starting the Journey                      | Team Building                                     |
| • FRI overview and consent & FAIMER Connect |                                                   |
| • Understanding your leadership styles      | Curriculum Design                                 |
| • Qualitative research                      | How to do a survey                                |
| • Difficult Conversations                   | Effective Teaching and Learning                   |
| • Student assessment -an Overview           | Skills for Change Agent                           |
| • Assessment (CBME)- Tools for WPBA         | Overview of planning-ml web and Re-entry briefing |
| • Complete PME workbook                     | ML Web                                            |
| • Accreditation Overview                    | Abstract writing and Politics of publishing       |
| • Managing Monkey                           | Leadership- Sustaining Change                     |
| • Learning circles                          |                                                   |

### Conferences Conducted:

- 15<sup>th</sup> National Conference on Health Professions Education (NCHPE) was held from 21<sup>st</sup> Nov. to 23<sup>rd</sup> Nov.2024 at Era's University, Lucknow, Uttar Pradesh
- FAIMER Global Forum with theme "Partnership and Collaboration", Annual International Conference of FAIMER on 16<sup>th</sup> and 17<sup>th</sup> October 2024

*Publications and Copyrights:*

- Rajneesh Pandey. Training on empathy skills for elderly persons to medical undergraduates: A quasiexperimental study.
- Lalwani D, Kalawadia S, Darooka N, Rao S, Hirkani M. Factors influencing academic failure rate among first-year Indian medical students who experienced competency-based medical education curriculum during the COVID-19 pandemic. *J Postgrad Med.* 2024 Jul 1;70(3):135-142.
- Rao, Shirish; Yagade, Yashik; Ambike, Amey; Desai, Aarya; Kundawar, Amey; Mulkalwar, Alhad; Hirkani, Munira; Tripathi, Raakhi. Evaluation of student-led “Association for Support and Propagation of Innovation, Research, and Education” (A.S.P.I.R.E) in empowering undergraduate medical students in research: A 2-year longitudinal study. *Perspectives in Clinical Research* :10.4103/picr.picr\_25\_24, July 19, 2024
- Swarupa Bhagwat. Bobhate P, Bhagwat S, Shrivastava S. Three-I framework for health promotion of lifestyle disorders. *Med Educ.* 2024 Nov 13. doi: 10.1111/medu.15575. Epub ahead of print. PMID: 39537129.
- Anjali Telang, Praveen Iyer. “Non-discrimination and Non-stigmatization in Medical Education in India” in annual bulletin (INARCH) of GSMC MUHS Bioethics Chair 2024.

**Diamond Jubilee Society Trust [DJST]***Introduction*

The Seth GS Medical College and KEM Hospital, Diamond Jubilee Society Trust was established in 1989 with the following objectives:

- To undertake scientific, social and statistical research in the field of health, medicine and applied sciences. Benefits arising out of results of the research undertaken by the trust would be extended to the poor and needy sector of the community, especially the slums dwellers and the working class in textile and other industries in Mumbai, catered by our public hospital as well as to the patient population at large.
- To promote medical education and to continually offer opportunities of upgrading knowledge, skills in the context of innovations, research and discovery in all fields of health.
- To provide medical relief and undertake development programmes in health services and upgrading health care facilities to various sectors of the society.

The trust accepts donations to support the medical education and health facilities of Seth GS Medical College and KEM Hospital. Donations to the trust are exempted under section 80G of the Income Tax Act 1961. The FCRA, Govt. of India, Ministry of Home Affairs has given the permission to receive and utilize foreign contribution to Trust. The Trust has also been recognized as SIRO, by Department of Scientific and Industrial Research for years 2022 - 2025. The trust is registered for undertaking Corporate Social Responsibility (CSR) activities. CSR registration permits the Trust to receive and utilize CSR contributions since 19<sup>th</sup> May, 2022.

*Managing Trustee:* Dr. Sangeeta Ravat, Dean, Seth GS Medical College & KEM Hospital

*Hon. Secretary:* Dr. Neena Sawant

*Hon. Treasurer:* Dr. Aparna Deshpande

*Trustees:* Dr. Sujata Patwardhan, Dr. Sandhya Kamat, Dr. Lona Dash, Mr. Snehal Parikh,

*Advisor:* Dr. RD Bapat, Dr. Lopa Mehta, Dr. Ravi Ramakantan, Mr. Sreenivas Nagappa.

*Activities of the trust*

Diamond Jubilee Society Trust was able to collect Rs. 6,52,18,184/- of donations in the year (January 2024 - December 2024) inclusive of Foreign donations of Rs. 48,42,216/- and Government Research Grant of Rs. 3,80,68,635/-. The donations are being used for the purpose stated by the donors. In addition, the trust does following activities:

*Patient Care*

- Patient education programs of Patient Education Cell were supported.
- A Donation of Rs. 17,46,532/- was donated by ReSurge International towards needy patients of post burn contractures & provide financial help for reconstruction surgery for plastic surgery department.

*Medical Education*

- The students who have excelled in their academic career were awarded prizes and scholarships by the trust. Funds for this purpose have been donated by the graduates, postgraduates and teachers of the institute.
- GOSUMEC Foundation, USA Research / Innovation Scholarship was awarded to the following undergraduate students for their meritorious research work:
  - o Jash Shah – 3<sup>rd</sup> year (Minor) MBBS students who had participated in live educational activity titled 20<sup>th</sup> International Myeloma Society Annual Meeting in Athens, Greece, on September 27-30, 2023.

- o Dhyey Mishra - 3<sup>rd</sup> year (Minor) MBBS students who had participated in live educational activity titled 20<sup>th</sup> International Myeloma Society Annual Meeting in Athens, Greece, on September 27-30, 2023.
- o Aditya Nair - 3<sup>rd</sup> year (Minor) MBBS students who had participated in live educational activity titled 20<sup>th</sup> International Myeloma Society Annual Meeting in Athens, Greece, on 27-30 September, 2023.
- o Shirish Rao - Internship student who had participating at AMEE 2023 - The International Association of Health professions education, Glasgow UK on 26-30 August, 2023.
- o Dr. Ananya Rakshit - DM Student in Clinical Pharmacology who presented poster titled, "Status of registration, re-registration and accreditation of Ethics committees with central Drugs Standard Control Organization (CDSCO), Department of Health research (DHR) and National accreditation Board for Hospitals and Healthcare Providers (NABH) – An evaluation of the extent of ethics oversight in the country" at 23<sup>rd</sup> FERCAP International Conference co organized with the University Malaya Medical Centre-Medical Research Ethics Committee (UMMC-MREC) in Kuala Lumpur, Malaysia on 26-29 November, 2023

*Donations were accepted for the following activities undertaken for (undergraduate and postgraduate) students:*

*Donation received for instituting award:*

1. A Donation received of \$29,500 was accepted from Sanjay Bindra MD, President, GOSUMEC Foundation towards 1. Bridges to MBBS and beyond, GOSUMEC Foundation USA scholarships for benefit to Undergraduate students at G S Medical College & KEM Hospital and 2. For renovation of Boys Common Room (BCR) and Boys Washroom approx. cost of \$1,08,950.
2. A donation received of Rs. 1,20,000/- yearly was accepted from Mrs. Savita Varde Naqvi, Sister of Dr. Arvind Varde for "Dr. Arvind Varde Research Grant in Pharmacology".
3. A donation received of Rs. 5,00,000/- was accepted from Ms. Durga Mehta, retired Matron of KEMH, niece of Dr. Jivraj Mehta towards to institute an Oration in Memory of Dr. Jivraj Mehta.
4. A donation was accepted from donors (Alumini National & International) towards undertaking medical services and voluntary unpaid fellowship program for the interns selected for fellowship from GS Medical College, and these activities are carried out by collaboration between KEM Hospital and Piramal Foundation.
  - o MUHS approved Fellowship/Certificate courses by various departments
  - o Undergraduate Certificate Course in Clinical Research conducted by the Department of Clinical Pharmacology under the aegis of MUHS
  - o Cultural events organized by the undergraduate students like *Advait* (Marathi drama competition)

*Donations were accepted for the following Faculty development programmes:*

1. GSMC FAIMER Regional Institute 2024 program held on 1<sup>st</sup> to 7<sup>th</sup> April, 2024 conducted by Department of Medical Education.
2. Advance Course in Medical education (ACME) workshop held on 1<sup>st</sup> to 8<sup>th</sup> July, 2024 conducted by Department of Medical Education.
3. Basic Course in Medical Education (BCME) workshop held on 22<sup>nd</sup> to 24<sup>th</sup> July, 2024 conducted by Department of Medical Education.
4. Curriculum Implementation Support Program (CISP III) workshop held on 19<sup>th</sup> to 20<sup>th</sup> September, 2024 conducted by Department of Medical Education.
5. Curriculum Implementation Support Program (CISP III) workshop held on 24<sup>th</sup> to 25<sup>th</sup> September, 2024 conducted by Department of Medical Education.
6. Curriculum Implementation Support Program (CISP III) workshop held on 10<sup>th</sup> to 11<sup>th</sup> December, 2024 conducted by Department of Medical Education.
7. Basic Course in Medical Education (BCME) workshop held on 3<sup>rd</sup> to 5<sup>th</sup> December, 2024 conducted by Department of Medical Education.
8. Cadaver Workshop held on 8<sup>th</sup> to 10<sup>th</sup> July, 2024 conducted by Department of General Surgery.
9. Vascular & Endovascular Surgery Masterclass 2024 held on 14<sup>th</sup> September 2024 conducted by Department of General Surgery.
10. Lateral Hernias KEM 2024 held on 22<sup>nd</sup> & 23<sup>rd</sup> June 2024 conducted by Department of General Surgery.
11. GENSURG conference 2024 held on 7<sup>th</sup> October, 2024 conducted by Department of General Surgery.
12. Online GCP workshop for Ethics Committee members & research staff of National Burns Centre, Airoli held on 9<sup>th</sup> June & 19<sup>th</sup> June 2024 conducted by Department of Pharmacology & Therapeutics.

13. GCP workshop for all the exam going students in KEM held on 27<sup>th</sup> September 2024 conducted by Department of Pharmacology & Therapeutics.
14. Temporal Bone Dissection workshop for Cochlear Implant Training workshop with WAOI & ROTTO-SOTTO held on 11<sup>th</sup> June, 2024 & 12<sup>th</sup> June, 2024 conducted by Department of ENT.
15. BLS Training workshop for Occupational Therapy Interns held on 19<sup>th</sup> March 2024 conducted by Department of Anesthesiology.
16. CPR Training workshop for Third Year Residents of various departments held on 30<sup>th</sup> April 2024 conducted by Department of Anesthesiology.
17. CPR Training workshop for Physiology Interns of Terna Medical College held on 4<sup>th</sup> June 2024 conducted by Department of Anesthesiology.
18. CPR Training workshop for Residents & Faculty of various departments held on 11<sup>th</sup> June 2024 conducted by Department of Anesthesiology.
19. CPR Training workshop for Residents & Faculty of Neuro Surgery Departments held on 22<sup>nd</sup> June 2024 conducted by Department of Anesthesiology.
20. CPR Training workshop for Residents & Faculty of various departments held on 9<sup>th</sup> July 2024 conducted by Department of Anesthesiology.
21. CPR Training workshop for Residents & Faculty of various departments held on 30<sup>th</sup> July 2024 conducted by Department of Anesthesiology.
22. CPR Training workshop for Residents & Faculty of various departments held on 20<sup>th</sup> August 2024 conducted by Department of Anesthesiology.
23. Hands on cadaver workshop (Hand & Face Transplant & flap dissection) in the ROTTO-SOTTO Cadaver OT held on 5<sup>th</sup> March 2024 conducted by Department of Plastic Surgery.
24. Hands on cadaver workshop (Hand & Face Transplant & flap dissection) for PG Student, in the ROTTO-SOTTO Cadaver OT held on 9<sup>th</sup> September 2024 conducted by Department of Plastic Surgery.
25. The Hand & Wrist Course-2024 held on 16<sup>th</sup> to 18<sup>th</sup> February 2024 conducted by Department of Orthopedics.
26. Medicolegal issues at Hospitals CME held on 27<sup>th</sup> May, 2024 conducted by Department of Forensic Medicine & Toxicology.
27. Resident as Teacher workshop held on 6<sup>th</sup> to 7<sup>th</sup> March 2024 conducted by Department of Obstetrics & Gynecology.
28. CME on Small Baby held on 28<sup>th</sup> August 2024 conducted by Department of Obstetrics & Gynecology.
29. The Art of Neonatal Ventilation Workshop held from 19<sup>th</sup> August 2024 to 23<sup>rd</sup> August 2024 conducted by Department of Neonatology.

#### *Medical Research:*

The Trust has received donations (Rs. 1,47,23,829/-) for research projects undertaken by various departments. In addition, it received funds from Government organizations towards research projects (Rs. 3,80,68,635/-).

#### *Publication:*

1. Annual Report of Seth GS Medical College & KEM Hospital-2023 was supported by Diamond Jubilee Society Trust.
2. Donations were also accepted for publication of manuals/ abstract books of courses, workshops and conferences conducted by the various departments.

#### *Work environment*

Diamond Jubilee Society Trust supports the following activities and their maintenance.

- a. Institutional activities and functions (ORACON)
- b. Maintenance of front lawn and garden in the KEM campus.
- c. Financial Support of Rs. 26,107/- to develop Remotex software of the Institute.
- d. Financial support of Rs. 50,000/- for the 'Confluence 2024'.
- e. Financial support of Rs. 1,65,000/- for Patient Education Cell.
- f. Financial Support of Rs. 25,00,000/- for KEM Centenary Event 2026.
- g. Financial support of Rs. 25,000/- for the 'AVISHKAAR 2024'.
- h. Financial Support of Rs. 82,600/- for maintenance of KEM Website and Rs. 19,743/- for renewal of KEM.edu website.

#### **Dr. Manu VL Kothari & Division of Medical Humanities**

- Seth G.S. Medical College & KEM Hospital
- Dr. Manu VL Kothari chair & Division of medical humanities:



- Series of programs were conducted online.
- The 9th Foundation Day of Dr. Manu VL Kothari Chair of Medical Humanities was commemorated on 23rd January 2024 in an online mode with an oration by Dr. Urmila Thatte on the topic 'Importance of the investigator site in the ethical conduct of clinical research'.
- Farewell of Dr. Sunil Pandya & Welcome of Dr. Avinash Supe as the chair on 15/04/2024
- ASCENSION – A step above, the annual conference of the Chair and Division was organized on 20th and 21st September, 2024. Keynote address 'Holistic Development of Healthcare Professionals' was delivered by Dr. Avinash Supe. The conference included panel discussion on 'Mental Health of Medical Students:' Dr. H Shetty, Dr. S Sarang, Dr. N Sawant, S Chavan, Dr. S Shaikh, Raghav Paranjpe were the panelists. It was moderated by Dr. Chintan Jani
- Ascension Orations:
- Equipping the Specially -Able - Mrs. Neha Madiwala
- Hope in the Shadows: Stories from the Red-Light Areas of Mumbai- Mrs. Priti Patkar
- Enhancing Health and Sustainability in Waste Management and Risk of Occupational Hazards- Mrs. Jyoti Mhapsekar
- Youth Flourishing - Mr. Amrut Bang
- Healers for Healers Team Code Blu- Dr.Prakruti Gabhawalla, Dr.Alok Gangurde
- Drug De-addiction Oration- Mr. Eldred Tellis
- Prizes were given to students Ascension Competitions and Winners:
- Symphony – A Mandan, A Sharad
- Battle of the Bands- V Hire, S Ray
- Corpus Callosum- A K Thakkar, A J Desai
- Speak up- P M Parekh, V B savant
- Nritya Abhay – S Bhujbal
- Reunions of past students of Seth GS Medical College are being conducted in an online mode in collaboration with the Gossamer Alumni Association. Until now, 26 batches have participated and shared their reminiscences in 2024.
- 'Manusmriti' is an annual program organized in the loving memory of Dr. Manu VL Kothari. Manusmriti oration was delivered by Dr. Rupin Shah on the topic 'A Potpourri of Life'

## **GOSUMEC Alumni Association**

### *Objectives of the Association:*

The aims and objectives of the Association are

- To promote and advance medical and allied sciences in all their different branches
- To promote public health and continuing medical education
- To promote sports especially amongst the medical fraternity

The office bearers and managing committee members of Gosumec Alumni Association for the year 2023-2025 are as follows:

### *Office Bearers:*

*President:* Dr. Sangeeta Ravat Dean (G&K)

*Vice Presidents:* Dr. Sharad Gogate & Dr. Nitin Dange

*Hon. Secretaries:* Dr. Ram Prabhoo & Dr. Ravindra Deokar

*Hon. Jt.Secretaries:* Dr. Gita Nataraj & Dr. Ujwal Rathod

*Hon. Treasurer:* Dr. Shilpa Adarkar

### *Managing Committee members:*

Dr. Padmaja Samant, Dr. Dhangauri Shenvi, Dr. Nithya Gogtay, Dr. Aparna Deshpande, Dr. Kanchan Kothari, Dr. Dhaval Patil, Dr. Lopa Mehta, Dr. Malini Nadkarni, Dr. NN Rege, Dr. Manjula Sarkar, Dr. Janak Shah, Dr. Mahesh Abhyankar, Dr. Ajay Tilwe, Dr. Sunil Puntambekar, Dr. Vaibhav Dedhia, Dr. Upendra Bhalerao, Dr. Armaandeeep Singh Aulakh, Dr. Parth Gada and Dr. Abhijeet Nakave

### *Activities*

- Online/Physical Managing Committee Meetings were held on 4/01/2024, 28/06/2024, 11/10/2024
- Online/Physical Annual General Body meeting held on 4/01/2024
- Presently, the association has 5785 members.
- The period January 2024 to Dec 2024, saw an addition of 229 life members and 1 patron member.

*Donations Received –*

- Rs. 25,000/- received from Dr. Vaibhav Ganjewar
- Rs. 10,000/- received from Dr. Prakash Page
- Rs. 10,000/- received from Dr. Suhas Namjoshi
- Rs. 50,000/- received from Dr. Avinash Supe
- Rs. 2,00,000/- received from Gita Nataraj

*Donation received for centenary year celebrations*

- Rs. 2,00,000/- received from Dr. Gita Nataraj
- Rs. 100,000/- received from Dr. Jatin Shah
- Rs. 50,000/- received from Dr. Aruna Poojary
- Rs. 5,000/- received from Dr. Swati Mudshingkar
- Rs. 5,000/- received from Dr. Archana Inchekar
- Rs. 5,000/- received from Dr. Shreshtha Tiwari
- Rs. 3,000/- received from Dr. Ashwini Tidke
- Also an amount totaling Rs. 33,000/ was received from 3 different donors.

*Students' support :*

- Dr. S Korgaonkar Scholarship was awarded to students Ayush Mishra (IIIrd minor) Rs. 60,550/ , Ayush Nayak (IIInd yr) Rs. 184,650/-and Hritik Pandey (Ist yr) Rs. 144,450/-respectively.
- Indira Foundation's Motivation for Excellence Scholarships was awarded to the following students:
  - o Rs. 55,800/- awarded to Shivam Shukla- III minor MBBS
  - o Rs. 51,500/- each given to Shubha Valecha & Janhavi Lad -III minor MBBS

*Social Activities:*

- TB day 2024 was celebrated at Rural health centre Khadavli on 23/03/2024, 35 beneficiaries participated in the programme (Rs. 1150/-).
- TB day 2024 was celebrated at UHC Malvani on 19/03/2024, 30 beneficiaries participated in the programme (Rs. 510/-).
- World Health day 2024 was celebrated at Zilla Parishad school under Rural health centre Khadavli on 08/04/2024, 111 beneficiaries participated in the programme (Rs. 1068/-).
- Emergency blood donation camp at Panvel railway station on 12/04/2024, 80 blood donors participated in the camp. (Rs. 25000/-)
- Breast feeding week celebrated at UHT, Malvani on 28-31/08/2024, 140 beneficiaries participated in the programme (Rs. 2080/-).

*Social and extracurricular activities:*

- Renewal of MyLOFT services to 1000 users of GSMC & KEMH. The contribution was shared by GAA, DDF& DJST.
- GAA donated Rs. 82,600/- as part contribution for KEM Website & Social Media
- GAA spent fund for Rs. 62,500/- for printing & publication of the Annual report 2024.
- GAA donated Rs. 15000/- to for Gosumag magazine printing

*Dr. A N Supe Best Published Paper awardees of 2023*

- Dr. Sandesh V. Parelkar - Dept. of Pediatrics Surgery
- Dr. Chethan Yami Channaiah - Dept of Endocrinology
- Dr. Santosh Salagre - Dept of Medicine
- Dr. P. Keerthi - Dept of Pediatrics
- Dr. Rupali Sabale - Dept of Community Medicine
- Dr. Vijaya Torane - Dept of Microbiology

*Seth G.S. Medical College & KEM Hospital**Dr. Manu VL Kothari Chair & Division of Medical Humanities:**Series of programs were conducted online.*

- The 9<sup>th</sup> Foundation Day of Dr. Manu VL Kothari Chair of Medical Humanities was commemorated on 23<sup>rd</sup> January 2024 in an online mode with an oration by Dr. Urmila Thatte on the topic 'Importance of the investigator site in the ethical conduct of clinical research'.

- Farewell to Dr. Sunil Pandya & Welcome to Dr. Avinash Supe as the chair was held on 15/04/2024
  - ASCENSION –A step above, the annual conference of the Chair and Division was organized on 20<sup>th</sup> and 21<sup>th</sup> August, 2024. Keynote address ‘The Making of an Indian Medical Graduate’ was delivered by Dr. Praveen Iyer. The conference included panel discussion on ‘Mental Health of Medical Students.’ Dr. H Shetty, Dr. S Sarang, Dr. N Sawant, S Chavan, Dr. S Shaikh, Raghav Paranjpe were the panelists. It was moderated by Dr. Chintan Jani Ascension Orations:
    1. Equipping the Specially -Able - Mrs. Neha Madiwala
    2. Hope in the Shadows,,: Stories from the Red-Light Areas of Mumbai- Mrs. Priti Parkar
    3. Enhancing Health and Sustainability in Waste Management and Risk of Occupational Hazards - Mrs. Jyoti Mhapsekar
    4. Youth Flourishing - Mr. Amrut Bang
    5. Healers for Healers Team Code Blue- Dr. Prakruti Gabhawalla, Dr. Alok Gangurde
    6. Drug De-addiction Oration- Mr. Eldred Tellis
- Winners:
- o Symphony - A Mandan, A Sharad
  - o Battle of the Bands - V Hire, S Ray
  - o Corpus Callosum - A K Thakkar, A J Desai
  - o Speak up - P M Parekh, V B savant
  - o Nritya Abhay - S Bhujbal
- ‘Manusmriti’ is an annual program organized in loving memory of Dr. Manu VL Kothari. Manusmriti oration was delivered by Dr. Rupin Shah on the topic ‘A Potpourri of Life’

## GSMC MUHS International Bioethics Unit

### *GSMC MUHS Bioethics Steering Committee Members 2022-24*

Sr. No.	Name	Unit Affiliation	Designation	Email ID/ contact number
1.	Dr Sangeeta Ravat	Chairperson	Dean	deangsmc@kem.edu
2.	Dr Harish Pathak	Co-chairperson	Academic Dean	drhp68@gmail.com
3.	Dr Padmaja Mavani	Head, Bioethics Unit	Obstetrics and Gynecology	padmaja_mavani@yahoo.co.in 9869066586
4.	Dr Yashashri Shetty	Head, Steering Committee & Editor of INARCH	Pharmacology and Therapeutics	yashashrirajit@gmail.com 9869193041
5.	Dr Usha Kasar	Secretary	Occupational Therapy	ushabhohne@gmail.com 9323701389
6.	Dr Jyotsna Thosar	Treasurer	Physiotherapy	jyotsnathosar@rediffmail.com 9821066016
7.	Dr Praveen B Iyer	Member	Anatomy	pbi1977@gmail.com 9892859202
8.	Dr Deepika Sadawarte	Member	Community Medicine	ameyadeep7@gmail.com 9869488693
9.	Dr Varsha Kulkarni	Member	General Surgery	dr_varshak@yahoo.com 9869332447
10.	Dr Santosh Salagre	Member	Medicine	aaplasantosh@gmail.com 9869273662
11.	Dr Priyanka Prasad	Member	Microbiology	priyanka1975@gmail.com 9930923115
12.	Sister Vaishali Chavan	Member	Nursing	vaishalichavan@rediffmail.com 9892143822
13.	Sister Aarya Deshmukh	Member	Nursing	anveearya@gmail.com 7798325988
14.	Brother Ravindra Markad	Member	Nursing	ravindramarkad@gmail.com 7208608070
15.	Dr Anjali Telang	Member	Anatomy	dranatelang@gmail.com 8956564402

Sr. No.	Name	Unit Affiliation	Designation	Email ID/ contact number
16.	Dr Kanchan Kothari	Member	Pathology	kanchankothari@hotmail.com 9820056313
17.	Dr Venkatesh Rathod	Member	Physiology	venkateshrathod23@gmail.com 9423472580
18.	Dr. Mariya Jiandani	Member	Physiotherapy	mpjiandani@gmail.com 9820191106

### GSMC MUHS Bioethics Steering Committee Office Bearers 2022-2024

Sr. No	Name	Unit Affiliation	Designation
1	Dr Sangeeta Ravat	Chairperson	Dean
2.	Dr Harish Pathak	Co-chairperson	Academic Dean
3.	Dr Padmaja Mavani	Head, Bioethics Unit	Obstetrics and Gynecology
4.	Dr Yashashri Shetty	Head, Steering Committee & Editor of INARCH	Pharmacology and Therapeutics
5.	Dr Usha Kasar	Secretary	Occupational Therapy
6.	Dr Jyotsna Thosar	Treasurer	Physiotherapy
7.	Dr Kanchan Kothari	Website coordinator	Pathology

### Students' Wing Members 2024

Sr. No.	Name of the Student	Course	Year	Contact number
1	Sakina Murtuza	Physiotherapy	Third Year	9821487240
2	Anushree Somanathan	Physiotherapy	Fourth Year	9892121187
3	Sahil Deo	Physiotherapy	Second Year	9021955674
4	Taranga Joshi	PG Physiotherapy	First Year	9987104222
5	Akash Joshi	Physiotherapy	Fourth Year	9309700599
6	Shama Sidiki	Occupational Therapy	Third Year	8007483843
7	Yashwant Waghmare	Occupational Therapy	Third Year	9152592835
8	Drashti Gala	Occupational Therapy	Third Year	8104196470
9	Aryaa Sarang	Occupational Therapy	Third Year	9892702107
10	Priya Hodbe	GNM Nursing	Third Year	9130152095

- Sensitization programme on bioethics for nursing students was conducted by the members
- Orientation lectures for first year MBBS students as part of their foundation course was taken by the unit members
- The theme of World Bioethics Day 2024 was **“Non-discrimination And Non-stigmatization”** and was held on 18<sup>th</sup> October 2024 . The different competitions (artistic poster competition, essay writing , street play competition, slogan writing, Poetry and photography competition) were held in off line mode. Students were involved in planning, organizing and execution of these events under guidance of faculty. Experts from outside and within the institute were invited as judges.
- WBD programme included lectures by Dr Vidya Kharkar (Head, Dept of Dermatology) on “Stigmatization in individuals with skin disorders” followed by Lecture by Dr Sadhana Bhatkande (Head , MSW ,KEM H) on “Stigmatization and discrimination in individuals with mental health disorders “ along with panel discussion by (Mr Anthony D’Souza – NGO working for Humsafar- HIV survivors , Sandeep Mane- LGBTQ community, Avinash Barve – working for orphan children and Mridul Dudeja – common man perspective)
- INARCH booklet was released by Dr Harish Pathak (Academic Dean, Seth GSMC & KEM H)
- Street Play performance was done by Community medicine residents
- Dr Kanchan Kothari, Web Coordinator, GSMC MUHS International Chair Bioethics Unit announced results of various competitions

### Hospital Infection Control Committee [HICC]

#### Members

- Dean (G & K), Dr. Sangeeta Ravat - Chairperson

- Prof. and Head, Microbiology, Dr. Chaya A. Kumar - Convenor
- Prof., Microbiology, Dr. Gita Nataraj - Secretary
- Dr. Shreeraj Talwadekar - Infection Control Officer
- Deputy Deans I and II I
- Prof. and Head - Anaesthesia, Chest Medicine, CVTS, ENT, General Surgery, Medicine, Neonatology, Nephrology, Neurosurgery, Ophthalmology, Pathology, Pediatric Surgery, Plastic Surgery, Urology
- Professors of Community Medicine, Paediatrics, Pathology, Pharmacology
- Associate Professors - OBGY, Orthopaedics, Microbiology
- Assistant Professor - Cardiology
- Matron, Assistant Matron, Infection Control Nurse, Superintendent of Pharmacy, A.E ( M & E), A.E (Civil), Security Officer, ORM.

*KEMHICC was pro-active in identifying and implementing measures for IPC such as-*

- Carrying out investigations when increase in infectious disease cases of hospitalised patients with reference to health care associated infections were identified. Measures to control the infections were taken.
- Inspection of Ophthalmology OT site (shifted to CVTC building) in terms of Infection Control and surveillance of the same was conducted.
- Sterility check of patient care items as and when required were conducted.

#### *Audits*

- Conducted regular audits on hand hygiene and biomedical waste in various departments clinical areas of Gynaecology and Obstetrics, General Surgery, Medicine, Plastic surgery, Orthopaedics, Paediatrics, MICU, IPCU and the NICU.
- Conducted audits on various Device Associated Infections (CLABSI,CAUTI,V.A.E) & Surgical Site infections in clinical areas of Urology,General Surgery,Nephrology,Orthopaedics and EMS-ICU,ESR-ICU,IPCU,MICU.

#### *Trainings*

- Conducted training on Biomedical waste Management for newly admitted 1st Yr nursing students of the nursing college, Seth GSMC & KEMH.
- Conducted lectures on Standard precautions and Biosafety for newly admitted MBBS students as part of the Foundation Course.
- Conducted training on Standard precautions for department of Paediatrics, Microbiology, Plastic surgery and General Surgery (JR orientation program).
- Conducted training on Bundle care approach towards prevention of Device Associated infections for MICU staff.
- Conducted training on Antimicrobial Stewardship (AMSP) for dept of OBGY.
- Participated as faculty to deliver talks on IPC & AMSP for M.Os from BMC - organised by Dept of Public Health, BMC.

#### *Academic activity*

- Successful completion of elective module in HIC for MBBS students CBME 2019 batch.
- Successful completion of rotational posting in HIC by Fellow in Infectious Diseases (Under dept of Medicine)

### **Institutional Animal Ethics Committee [IAEC]**

The Institutional Animal Ethics Committee (IAEC) of the Seth GS Medical College and KEM Hospital is approved by the Committee for the Control and Supervision of Experiments on Animals (CCSEA) previously known as Committee for the Purpose of Control and Supervision of Experiments on Animals CPCSEA for the purpose of 'Breeding and Research on animals' (Registration no.:60/PO/ReBi/S/99/CPCSEA) dated 07/10/2022 valid till 06/10/2027. IAEC functions according to the guidelines laid down by the CPCSEA.

The internal members are appointed from institutional faculty members while four CCSEA members are nominated on the IAEC by CCSEA.

Sr. No.	Name	Position on IAEC	Department
1.	Dr. Sandhya Kamat	Chairperson	Pharmacology & Therapeutics
2.	Dr. Shruti Bhide	Member Secretary	Pharmacology & Therapeutics
3.	Dr. Kiran Joshi	Veterinary officer in charge of animal facility	Pharmacology & Therapeutics
4.	Dr. Kanchan Kothari	Scientist from different biological discipline	Pathology

Sr. No.	Name	Position on IAEC	Department
5.	Dr. Sharad Patel	Biological Scientist	Physiology
6.	Dr. Uddhav Chaudhari	CPCSEA Nominee	Department of Primate Biology, National Institute for Research in Reproductive Health, (ICMR)
7.	Dr. Haladhar Sarma	Link Nominee	Bhabha Atomic Research Centre, Mumba
8.	Dr. Dhanjitkumar Das	Scientist from outside the institute	National Institute for Research in Reproductive Health, Mumbai
9.	Mr. Hassan Nalband	Socially aware nominee	Reliance Life Sciences Pvt Ltd

No. of meetings held in 2024: **2**

No. of new projects submitted and approved: **9**

Ongoing projects: **16**

Projects completed in 2024: **10**

### Institutional Ethics Committee [IEC-1, IEC-2, IEC-3]

Registration / Accreditation / Recognition	IEC-I	IEC-II	IEC-III
Established on	6 <sup>th</sup> January, 1987	14 <sup>th</sup> Nov, 2008	12 <sup>th</sup> Oct, 2019
Registration with CDSCO DCG(I) & Central Licensing Authority: (issued under New Drugs and Clinical Trials Rules, 2019.)	Re-Registration No. ECR/229/ Inst./MH/2013/RR-19 Valid from 22.04.2024 to 21.04.2029	-	-
Govt of India, Ministry of Health & Family Welfare, Dept of Health Research (DHR), (National Ethics Committee Registry for Biomedical and Health Research)	Registration No. EC/NEW/ INST/2021/MH/0008, Valid from Oct 21, 2021 thru Oct 20, 2026	Registration No. EC/NEW/ INST/2021/MH/0002, Valid from Oct 21, 2021 thru Oct 20, 2026	Registration No. EC/NEW/ INST/2021/MH/0003, Valid from Oct 21, 2021 thru Oct 20, 2026
NABH: National Accreditation Board for Hospitals & Healthcare Providers (Constituent Board of Quality Council of India).	Valid from May 19, 2021 thru May 18, 2024 Certificate No. EC-CT- 2018-0027	-	-

Current SOPs Version 7, Dated 19<sup>th</sup> November 2024 effective from 9<sup>th</sup> December 2024 available on [www.kem.edu](http://www.kem.edu)

All three committees presently functions according to the requirements laid down in DCI, New Drugs and clinical trials rules, 2019 (NDCTR), and is guided by the ICH GCP guidelines for Good Clinical Practice, ethical principles set forth in the Declaration of Helsinki and the Ethical Guidelines for Biomedical Research on Human Subjects laid down by the Indian Council of Medical Research.

#### Activities of the IECs during 1<sup>st</sup> Jan 2024 to 13<sup>th</sup> Dec 2024

##### 1. Total meetings of IECs held in the year 2024

IEC- I		IEC- II Full Board	IEC- III Full Board	SAE Subcommittee	Total meetings
Full Board	Emergency				
9	0	11	10	32	62

##### Initial review performed by IECs in year 2024

Review	IEC-I				IEC-II			IEC-III		
	PHARMA sponsored	GOVT sponsored	Other Academic	Thesis	GOVT sponsored	Other Academic	Thesis	GOVT sponsored	Other Academic	Thesis
Full Board	23	3	9	1	3	75	166	03	60	163
Expedited	-	-	-	-	-	14	-	02	21	-
Exemption	-	-	-	-	-	2	-	-	04	-
Total	23	3	9	1	3	91	166	05	85	163
	36				260			253		
Total	549									

## 2. Active (ongoing) projects

Name of IEC	Types of projects	No of projects	Total active projects
IEC-I	Pharmaceutical sponsored projects	43	65
	GOVT sponsored projects	08	
	OA: Other Academic projects	12	
	Thesis / Dissertations	02	
IEC-II	GOVT sponsored projects	21	769
	OA: Other Academic projects	251	
	Thesis / Dissertations	497	
IEC-III	GOVT sponsored projects	09	637
	OA: Other Academic projects	210	
	Thesis / Dissertations	418	
All 3 IECs	TOTAL active projects	1471	1471

## 3. Serious Adverse Events (SAEs) of IEC-I:

- SAEs (Other sites) reported and reviewed in the year 2024: 4842
- SAEs (this site) reported and reviewed in the year 2024:

Initial SAE reports	Follow up reports	Query replies	Close out reports	TOTAL
57	79	75	39	250

## 4. IECs Composition:

### Member list of IEC-I

Sr. No.	Name and position on IEC-1	Qualification	Affiliation
1.	Dr. Ms. Manju Sengar (Chairperson)	MD (Medicine), DM (Medical Oncology), PGDCT Clinical trials	Tata Memorial Hospital, Mumbai. 400012.
2.	Dr. Ms. Raakhi Tripathi (Member Secretary Basic Medical Scientist)	MD (Pharmacology), Associate Professor Pharmacology & Therapeutics	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
3.	Dr. Mrs. Nithya Gogtay (Jt. Member Secretary, Basic Medical Scientist)	MD (Pharmacology), DNB (Pharmacology), DNB (Clinical Pharmacology), PhD (Applied Biology) Prof. and Head, Dept. of Clinical Pharmacology	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
4.	Dr. Milind Nadkar (Clinician)	M.D (General Medicine), FICP, FACP. Prof. and Head, Dept of Medicine.	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
5.	Dr. Mrs. Charulata Londhe (Clinician)	M. D. (Internal Medicine) Associated Professor (Medicine)	Lokmanya Tilak Municipal Medical College and General Hospital, Sion, Mumbai. 400022.
6.	Ms. Veera Gayakwad (Legal Expert)	LLB, LLM (Mumbai University) Diploma in Cyber Law.	Bar Council of Maharashtra & Goa
7.	Mr. Sajid Sheikh (Legal Expert)	LLB., LLM, Pursuing Ph.D.	Assistant Professor (Law) – Regular, at Maharashtra National Law University Mumbai.
8.	Ms. Meera Shah (Social Scientist)	M.S.W (Social Work) M. A. (Clinical Psychology) N.L.P, R.E.T. and Counseling	-
9.	Dr. Ms. Alpana Kirtikar Purohit (Lay person)	M.com, MMS.	-
10.	Dr. Vyankatesh Shivane (Clinician)	M.B.B.S., MRCP-UK, Diploma in Diabetology, FACP (USA) Dept. of Endocrinology	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
11.	Dr. (Mrs.) Sushma Save (Clinician)	MD, DCH, IBCLC (USA). Associate Professor, Dept of Pediatrics,	Topiwala National Medical College & B. Y. L. Nair Charitable Hospital. Mumbai.
12.	Dr. Monty Khajanchi (Clinician)	DNB (Surgery), MBBS Assistant Professor (General Surgery).	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
13.	Dr. Dheeraj Kumar Member (Clinician)	DM, DNB (Cardiology), Assistant Professor (Cardiology)	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.

*Member list of IEC-II*

Sr. No.	Name and position on IEC-2	Qualification	Affiliation
1.	Dr. Sunil Kuyare (Chairperson)	M.D (Microbiology), PGDHA	Lab Director Apoorva Diagnostic and Healthcare Mumbai
2.	Dr. Priyanka Prasad (Member Secretary Basic medical Scientist)	M.D. (Microbiology) PGDHHM Associate Professor	Seth GS Medical College and KEM Hospital, Mumbai Dept of Microbiology
3	Dr. Gita Nataraj (Basic medical Scientist)	M.D.(Microbiology), Diploma in Pathology & Bacteriology, Professor and Head,	Dept of Microbiology, Seth GS Medical College and KEM Hospital, Mumbai.
4	Dr. Anita Mathew (Clinician)	M.D.(Medicine), DNB, Diploma in Child Health (DcH)	Director Internal Medicine & Infectious diseases at Fortis Hospital, Mulund. Consultant in Infectious disease at LTMMC & GH, Sion, Mumbai, which is a teaching hospital & Medical school
5.	Ms. Manda Loke (Legal Expert)	B.Com., M.A.(Eco.), LL.M	Advocate High Court
6.	Mrs.Hetal Varma (Social Scientist)	Bsc MSW	-
7.	Dr. Sai Kulkarni (Lay person)	Ph.D., M.A. (Economics)	-
8.	Dr. Charan Lanjewar (Clinician)	M.D. (Cardiology), DM Associate Professor and Head of the Unit,	Dept of Cardiology, Seth GS Medical College and KEM Hospital, Mumbai.
9.	Dr. Vijaya Babre (Clinician)	MBBS, DNB, FI COG, FCPS, DG O, DFP, DHA, (Diploma of Hospital Administration) Assistant Professor	Department of OBGY at K.J. Somaiya Medical College Sion Mumbai.
10.	Dr. Sayali Thakare (Clinician)	M.D. (General Medicine), DM (Nephrology), DNB (Nephrology) Assistant Professor (Regular	Dept of Nephrology, Seth GS Medical College and KEM Hospital, Mumbai.
11.	Dr. Karuna Vishal Nadkarni (Clinician)	Bsc(O.T.),MOTH, PHD Scholar at Maharashtra University Professor and Head	Dept of Occupational Therapy Training School & Centre, Seth GS Medical College and KEM Hospital, Mumbai.
12.	Dr. Sandhya Selvarajan Member (Basic Medical Scientist)	M.D. (Pharmacology), DNB (Pharmacology), D.M. (Clinical Pharmacology) Additional Professor and Head	Dept of Clinical Pharmacology JIPMER Pondicherry
13.	Dr.Janardhan Bandi (Clinician)	M.D. (PSM), PGDHA	Associate Professor, Seth GS Medical College and KEMHospital, Mumbai.

*Member list of IEC-III*

Sr. No.	Name and position on IEC-3	Qualification	Affiliation
1.	Dr. Mohan Karmarkar (Chairperson)	M.D (Microbiology), PGDHA	Microbiologist.
2.	Dr. Swapna Kanade (Member Secretary Basic Medical Scientist)	M.D. (Microbiology),	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
3.	Dr. Shirish Joshi (Jt. Member Secretary Basic Medical Scientist)	PGDCR (Post graduate diploma in Clinical Research) M.D.(Pharmacology), M.B.B.S	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
4.	Dr. Ashish Gupta Basic Medical Scientist	M.B.B.S., MD, DNB (Pharmacology)	Dept. of Pharmacology, NSCGMC, Khandwa, M.P.
5.	Dr. Archana Sonawale (Clinician)	MD (Medicine)	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
6.	Dr. Leena Gangolli (Legal Expert)	M.B.B.S.,M.H.A. (T.I.S.S.), M.P.H.(Harvard University), L.L.M. ( University of Mumbai)	Member of National Task Force for Palliative Care.
7.	Ms. Anuradha Prabhudesai (Social Scientist)	MA Counselling Psychology	-
8.	Ms. Sai Kulkarni (Lay person)	Ph.D., M.A. (Economics)	-
9.	Dr. Priyanka Honavar (Clinician)	DGO, DNB (Obstetrics & Gynaecology), FMAS	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
10.	Dr. Shwetal Pawar (Clinician)	M.B.B.S. DNB (Nuclear Medicine), MNAMS Fellow Of Pediatric Nuclear Medicine, London, Uk.	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
11.	Dr. Aarti Kulkarni (Clinician)	MBBS, Diploma Anaesthesiology, DNB Anaesthesiology	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.



Sr. No.	Name and position on IEC-3	Qualification	Affiliation
12.	Dr. Bhavana Mhatre (Clinician)	FAIMER Fellow, M.Sc, B.Sc in Physical Therapy	Physiotherapist

*Member list of SAE Subcommittee of IEC*

Sr. No.	Name and position on IEC-1	Qualification	Affiliation
1.	Dr. Milind Nadkar (Head Member, IEC-I)	M.D (General Medicine), FICP, FACP. Prof. and Head, Dept of Medicine.	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
2.	Dr. Ms. Raakhi Tripathi (Executive Secretary) Member Secretary, IEC-I	MD (Pharmacology). Associate Professor Pharmacology & Therapeutics	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
3.	Dr. Mrs. Nithya Gogtay (Basic Medical Scientist) Jt. Member Secretary, IEC-I	MD (Pharmacology), DNB (Pharmacology), DNB (Clinical Pharmacology), PhD (Applied Biology) Prof. and Head, Dept. of Clinical Pharmacology	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
4.	Dr. Vyankatesh Shivane (Clinician) Member, IEC-I	M.B.B.S., MRCP-UK, Diploma in Diabetology, FACP (USA) Dept. of Endocrinology	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
5.	Dr. Monty Khajanchi (Clinician) Member, IEC-I	DNB (Surgery), MBBS Assistant Professor (General surgery).	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
6.	Dr. Dheeraj Kumar Member (Clinician) Member, IEC-I	DM, DNB (Cardiology), Assistant Professor (Cardiology)	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.
7.	Dr. Sayali Thakare (Clinician) Member, IEC-II	M.D. (General Medicine), DM (Nephrology), DNB (Nephrology) Assistant Professor (Regular)	Dept of Nephrology, Seth GS Medical College and KEM Hospital, Mumbai.
8.	Dr. Shwetal Pawar (Clinician) Member, IEC-III	M.B.B.S. DNB (Nuclear Medicine), MNAMS Fellow Of Pediatric Nuclear Medicine, London, Uk.	Seth GS Medical College and KEM Hospital, Parel, Mumbai 400012.

*IEC office administrative staff*

	Name	Designation and IEC	Contact details
1.	Mrs. Janhavi Katkar	General Manager IEC	Tel: 24107515, Cell No.: 8779221293 Ext. no. 7515 Email: iec-1@kem.edu iec-2@kem.edu iec-3@kem.edu
2.	Ms. Shweta Surve	Deputy Manager IEC-I	
3.	Ms. Prajakta Auti	Deputy Manager IEC-I	
4.	Mrs. Manasi Kambli	Deputy Manager IEC-I	
5.	Ms. Rasika Nikharange	Sr. Executive Assistant IEC-II	
6.	Ms. Shital Morajkar	Executive Assistant IEC-II	
7.	Mr. Pranay Toraskar	Executive Assistant IEC-III	
8.	Ms. Sayali Rane	Executive Assistant IEC-III	
9.	Mr. Mangesh Khochade	Office Assistant IEC	
10.	Mr. Chetan Solanki	Office Attendant IEC	

5. Activities of the IEC

- a. Training programs organized by IEC for members, investigators, co-ordinators

*Training programs conducted by IEC for its members and IEC allied staff:*

Sr. No.	Date	Topic	Trainer
1.	3 <sup>rd</sup> Jan 2024	Handling protocol deviations and violations	Dr. Vyankatesh Shivane, Consultant Diabetologist & Metabolic Physician, Member, IEC-I
2.	13 <sup>th</sup> Feb 2024	Risk benefit assessment.	Dr. Arun Bhatt Consultant, Clinical Research & Drug Development
3.	16 <sup>th</sup> April 2024	Review of Monitoring and Audits	Dr. Vyankatesh Shivane, Consultant Diabetologist & Metabolic Physician, Member, IEC-I
4.	25 <sup>th</sup> April 2024	Vulnerability in clinical trials	Dr. Durga Gadgil Research Consultant, Tata Memorial Centre
5.	13 <sup>th</sup> June 2024	Good Clinical Practices (GCP)	Dr. Renuka Munshi Prof and Head, Dept. of Clinical Pharmacology, TNMC and BYL Nair Charitable Hospital, Mumbai
6.	17 <sup>th</sup> Aug 2024	Periodic review of trial, risk evaluation and Adverse Event (AE) monitoring.	Dr. Yashashri Shetty Associate Professor, Dept of Pharmacology and Therapeutics,

Sr. No.	Date	Topic	Trainer
7.	22 <sup>nd</sup> Aug 2024	Review of audio video consent process.	Dr. Nithya Gogtay, Prof & Head, Dept. of Clinical Pharmacology, Jt. Member Secretary, IEC-I
		Review of SAE's and calculation of compensation	Dr. Raakhi Tripathi Associate Professor, Dept. of Pharmacology & Therapeutics, Member Secretary, IEC-I
8.	4 <sup>th</sup> Oct 2024	Compassionate use of drugs	Dr. Nithya Gogtay, Prof & Head, Dept. of Clinical Pharmacology, Jt. Member Secretary, IEC-I
9.	12 <sup>th</sup> Dec 2024	Conflict of Interest and Confidentiality	Dr. Durga Gadgil Research Consultant, Tata Memorial Centre

*Training programs conducted by IEC for Investigators.*

Sr. No.	Date	Trainer	Topic
1	28 <sup>th</sup> Aug 2024	Dr. Nithya Gogtay and Dr. Vyankatesh Shivane	GCP compliance for clinical trials.

*Training programs conducted by IEC for Clinical Research Coordinators.*

Sr. No.	Date	Trainer	Topic
1	2 <sup>nd</sup> Sept 2024	Dr. Neelam Jaguste, Dept of Endocrinology and Dr. Vijaya Gunjal Dept of Clinical Pharmacology	Enhancing CRCs role in the conduct of clinical trial.

- b. IEC-I underwent 3<sup>rd</sup> re-accreditation audit program by NABH on 23<sup>rd</sup> & 24<sup>th</sup> Sept 2024 Certificate no.: EC-CT-2018-0027.
- c. The IEC-I has successfully completed the CDSCO re-registration process and obtained approval from CDSCO having registration number ECR/229/Inst./MH/2013/RR-2024 which will valid from 22<sup>nd</sup> April 2024 to 21st April 2029.

## Journal of Postgraduate Medicine (JPGM)

Journal of Postgraduate Medicine (JPGM) (Print ISSN 0022-3859, E-ISSN 0972-2823), is a quarterly peer-reviewed international biomedical journal published under the auspices of the Staff Society of Seth G.S. Medical College and K.E.M. Hospital, Mumbai, India. The journal is published by Wolters Kluwer India Private Limited. The journal does not charge the Authors or Authors' institutions for the submission, processing and/or publications of manuscripts. However, the Journal charges a nominal fee for color reproduction of colored images/photographs/figures. JPGM promotes published papers by electronically supplying the records to the National Library of Medicine at the time of online publication, making it sure that the citations are retrievable from MEDLINE as early as possible. Similarly, the citations in MEDLINE are cross-linked from the official site of MEDLINE to the journal's site, thus the readership of published articles is increased many folds. The journal is registered with the following abstracting partners: Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, National Science Library, ProQuest, TdNet, and Wanfang Data. The journal is indexed with, or included in, the following: DOAJ, EMBASE/ Excerpta Medica, Emerging Sources Citation Index, Indian Science Abstracts, IndMed, MEDLINE/ Index Medicus, PubMed Central, Scimago Journal Ranking, SCOPUS, Science Citation Index Expanded, and Web of Science. Currently the journal is in its 70th year of being published. Impact Factor<sup>®</sup> as reported in the 2023 Journal Citation Reports<sup>®</sup> (Clarivate Analytics, 2024) is 1.0 and the 5 year impact factor is 2.0. Journal of Postgraduate Medicine has h-index of 62, meaning that 62 articles of this journal have more than 62 numbers of citations. The journal's website for manuscript submissions is <https://review.jow.medknow.com/jpgm> and full texts are available online at <https://journals.lww.com/jopm/pages/default.aspx>. The journal's website gets over 25,000 visitors every month. The Editorial team of Dr. Sunil Karande (Editor); Dr. Mariya Jiandani and Dr. Sweta Salgaonkar (Associate Editors); and Dr. Sharmila Jalgaonkar, Dr. Charan Lanjewar and Dr. Urwashi Parmar (Assistant Editors) completed their four year tenure on 30th June 2024. A new editorial team has taken over from 1st July 2024 for next 4 years. This new team consists of Dr. Milind S. Tullu (Editor-in-Chief); Dr. Sharmila Jalgaonkar and Dr. Charan Lanjewar (Associate Editors); and Dr. Shruti Bhide, Dr. Mandar Koranne & Dr. Ujwal Rathod (Assistant Editors). The journal has received 786 manuscripts for publication during the year 2024 (till 16th December 2024); and the acceptance rate has been less than 5%. The JPGM iPad / android app has resulted in the journal's increased visibility and readership resulting in a healthy royalty income. Both the accounts (main and conference) of the journal for the financial year 2023-2024 have been audited and approved at the Annual General Body Meeting of the Staff Society held on 22nd August 2024.

## **KEM Hospital Poor Box Charity Fund [KEMH PBCF]**

The KEM Hospital, Poor Box Charity Fund (PBCF) was instituted by a Standing Committee resolution in 1926. Donations are collected in this fund from individual donors and Non Government Organisations such as Sir Dorabji Tata Trust, Tata Education and Development Trust, Shree Siddhivinayak Ganpati Mandir Trust, Nana Palkar Smruti Samiti, Shree Mahalakshami Trust and Tarun Mitra Mandal. The PBCF also receives funds from the Government of India through the Prime Minister's National Relief Fund and Chief Minister's Relief Fund. In addition, since 2022, the PBCF has been receiving funds from the Government of India for treatment of patients suffering from rare diseases under the scheme, 'National Policy for Treatment of Rare Diseases'. All funds received in the trust are disbursed to poor and deserving patients after necessary sanctions are obtained. This year a total of Rs. 12,90,48,350/- was spent on poor and needy patients including patients suffering from rare diseases.

## **Research Society**

Research Society is registered on 29th September 1952 under the societies Registration Act XXI, 1860.

During the year under report, the Research Society had on its Register 184 Life Members.

The office bearers and executive committee member of Research Society for the period from 2019 - 2024 is as follows:

President: Dean Dr. Sangeeta Ravat.

Hon. Vice President: Dr. Neena Sawant.

Hon. General Secretaries: Dr. Hemant Nandgaonkar & Dr. Rajneesh Pandey .

Hon. Treasurer: Dr. Kavita Joshi.

Executive Committee members: Dr. Shruti.Bhide, Dr. Swapna Kanade, Dr. Anita Agrawal, Dr. Sanjita Umbarkar.

The New office bearers and executive committee member of Research Society for the period from 2024 - 2029 is as follows:

President: Dean Dr. Sangeeta Ravat.

Hon. Vice President: Dr. Ajay Mahajan.

Hon. General Secretaries: Dr. Rajneesh Pandey & Dr. Mariya Jiandani.

Hon. Treasurer: Dr. Aditi Phulpagar.

Executive Committee members: Dr. Anita Agrawal, Dr.Hemant Nandgaonkar, Dr. Shirish Joshi, Dr. Swapna Kanade, Dr. Sanjita Umbarkar, Dr. Sushant Sarag, Dr. Suchin Dhamnskar, Dr. Sujata Aiyer.

### *Aims & Objectives*

The aims and objects of the society are:

- To promote medical research in all its branches including industrial diseases accidents.
- To finance research inquiries
- To endow research Fellowships
- To give grants for research
- To further the growth of research work in medicine and allied subjects

### *Activities:*

- Research grant is provided twice a year for research projects undertaken by the faculty who are also members of the Research society.
- Research proposals are peer reviewed before sanction of the grant.

### *From January 2024 to December 2024*

- Research grants for 20 projects were sanctioned up to Rs. 1,00,000/- (2024 set I & set II).
- Clinical trial amount of Rs. 41,10,548/- received from the Departments of Cardiology, Neurology, Clinical Pharmacology, and Gastroenterology.
- Ongoing Clinical trial: 21 & New Clinical trial: 2
- Executive committee meetings held = 10 and AGBM = 1
- EC sanctioned Funding Rs. 62,500/- for printing of annual report 2023.

Research proposal that received grants were as follows:

### **2024 Set – I**

No.	Title of Project	Name & Designation of Chief Investigator
1	A study of prevalence, exposure-response relationship and consequences of iron overload in patients on chronic maintenance haemodialysis.	Dr. Tukaram Jamale Professor and head, Dept of Nephrology,

No.	Title of Project	Name & Designation of Chief Investigator
2	Correlation of genetic and phenotypic profile in children and young adults with idiopathic acute, acute recurrent and chronic pancreatitis: a prospective observational study	Dr. Biswa Patra Assistant Professor, Dept of Gastroenterology,
3	Prevalence of metabolic syndrome in college going young adults and its association with sedentary behaviour and effect of high intensity interval training on its components	Dr. Jaimala Shetye (PT) Associate Professor, Dept of Physiotherapy,
4	To evaluate relationship between preoperative patient factors and usage of Allogeneic Blood and Blood products in Adult patients undergoing Cardiac Surgery "A prospective observational study".	Dr. Sanjeeta Umbarkar Cardiac Anesthesia, Head of Department
5	Evaluation of the anti-arthritis effect of Gmelina arborea on complete Freund's adjuvant -induced arthritis in Wistar rats.	Dr. Sandhya Kamat Professor and head, Department of Pharmacology and Therapeutics
6	Participation In International Cardiac Rehabilitation Registry	Dr. Mariya Prakash Jiandani Associate Professor, Dept of Physiotherapy
7	To evaluate effects of early versus standard fortification of enteral feeds among high risk preterm infants >29 weeks gestation- A randomized control trial	Dr. Anitha Haribalakrishna Associate Professor, In charge and Head, Dept of Neonatology
8	Population pharmacokinetics of amikacin in adult and pediatric patients.	Dr. Bhaskar Krishnamurthy Assistant Professor, Clinical Pharmacology
9	Comparison of malaria rapid antigen diagnostic test, peripheral blood smears microscopy and real time PCR for diagnosis of malaria among febrile patients in a tertiary care teaching hospital of Mumbai-A Pilot Study.	Dr. Alpana Wagh Associate Professor(Additional), Dept of Microbiology
10	Metabolomic Signature of Amino Acids and its Correlation with Indices of Obesity and Glucose Regulation in Indian Obese and Non-Obese Adult Population	Dr. Yogesh Ramkrishna Pawade Associate Professor, Dept. of Biochemistry

### 2024 Set – II

Sr. No.	Title of Project	Name & Designation of Chief Investigator
1	Time for culture conversion in patients of drug resistant pulmonary tuberculosis- Role in TB control	Dr. Swapna Kanade Associate Professor, Dept of Microbiology
2	A pilot study to evaluate the efficacy and safety of growth factor concentrate in Rotator cuff tendinopathy (RoCT) a randomized, open labelled, assessor blind study.	Dr. Sweta Salgaonkar Professor, Dept of Anesthesia
3	Study of unexpected red cell antibodies in prospective blood transfusion recipients in tertiary care center.	Dr. Swarupa Nikhil Bhagwat Associate Professor, Dept of Transfusion Medicine
4	In vivo hepatocellular carcinoma study using gold nanoparticles in C57BL/6 mice.	Dr. Shruti Bhide Associate Professor, Dept of Pharmacology & Therapeutics
5	Clinico-mycological profile of dermatophytosis and antifungal susceptibility pattern for dermatophytes – an experience from tertiary care centre.	Dr. Pallavi Surase Associate Professor (Addl), Dept of Microbiology
6	Effect of Everolimus and Atorvastatin on the lifespan and healthspan of Drosophila Melanogaster	Dr. Sandhya Kamat Professor & Head, Dept of Pharmacology & Therapeutics
7	Evaluation of Antidepressant Effect of Probiotics (Bacillus clausii and Saccharomyces boulardii) in Unpredictable Chronic Mild Stress Induced in Swiss Albino Mice.	Dr. Dnyaneshwar Kurlle Associate Professor & Therapeutics, Dept of Pharmacology
8	Design and Development of AI based solution to predict the early stage of diabetic foot complications empowering diabetic foot care.	Dr. Mariya P. Jiandani Associate Professor, Dept. of Physiotherapy
9	Long term immunogenicity of a marketed quadrivalent influenza vaccine (FluQuadriTM) administered in participants 60 years of age and older- An extension study.	Dr. Nithya Gogtay Professor & HoD, Dept. of Clinical Pharmacology
10	Assessment of Prescription Pattern and Adverse Drug Reaction Monitoring of Levetiracetam Used for Seizure Prophylaxis in Patients following Neurosurgery: A Cross-Sectional, Questionnaire-Based Study	Dr. Padmaja Marathe Dept. of Pharmacology & Therapeutics, Professor (Additional)

Total Grant utilized during the year 2024 – Rs.14,71,361/-

#### Workshop 2024

- “Manuscript Writing, Literature Search, Reference Management.” By Dr. Vasumathi Sriganesh & Dr. Sandeep Bavdekar.

### Regional Resource Centre-Western Region, National Medical College Network (NMCN)

Seth G. S. Medical College & KEM Hospital, Mumbai was selected as a Regional Resource Centre for Western Region under National Medical College Network (NMCN) project in 2015 and became operational in 2016. In the first phase of NMCN scheme, 5 Govt. Medical Colleges from the states of Maharashtra, Gujarat and Goa have been identified for NMCN activities based on availability of connectivity provided by National Knowledge Network (NKN). This linkage is for Tele education, Tele CME, Tele specialist consultations, Tele follow-up, sharing of surgical & interventional skills and access to Digital Library.

RRC(W) Program Management Unit committee members (NMCN) –

Dean (G & K) & Chairperson	Dr. Sangeeta Ravat
Nodal officer - RRC & Medical Superintendent, Prof. & Head, Orthopaedics	Dr. Mohan Desai
Assistant Nodal officer - RRC & Associate Professor, Microbiology	Dr. Priyanka Prasad
Co-ordinator - RRC & Professor Emeritus, Microbiology	Dr. Gita Nataraj
(Member -Tele-radiology) & Addl. Professor, Radiology	Dr. Padma Badhe
Member - I/c eClassroom /Digital Lecture Theatre & Professor , Anatomy	Dr. Praveen Iyer
Member - NKN, & Associate Professor, Anatomy	Dr. Rajneesh Pandey
Member -Coordinator for eLearning Modules & Assistant Professor, Microbiology	Dr. Shreeraj Talwadekar

Human Resources for NMCN: -

Telemedicine Infrastructure & Network Administrator	Mr. Tushar Korwal
Content Developer	Mr. Badal Patil
NHM Support Facility Manager	Mr. Sandeep Mehendale
e-classroom Support	Mr. Vivek Yadav

Various activities carried out under NMCN during the year: -

- 233 Tele-education sessions have been conducted.
- Following is the list of tele-education/ e-learning educational activities that have been conducted with the available facility and/or technical support of RRC: -
  - o Live streaming – Foundation Course for FIRST MBBS 2024-25 BATCH - Seth G. S. Medical College & KEM Hospital Mumbai by Depts. of Anatomy, Physiology, Biochemistry.
  - o Live streaming – A National Level Multidisciplinary Multispeciality CME + Webinar on “MEDICOLEGAL ISSUES AT HOSPITALS” By Department of Forensic Medicine and Toxicology. (Views - 1,375+)
  - o Live streaming – CME on “Rabies Rethink: Modern Solutions to an Age-Old Threat” by Community Medicine
  - o Live streaming – Advanced Level Pvg Training Program, Dept. of Clinical Pharmacology
  - o Live streaming – Foundation Day of MVLK by Medical Humanities.
  - o GENSURG 2024: example by excellence and KEM SS Preparation Course - Dept of General Surgery via Cisco Webex/Zoom platform for PG Students.
  - o Facility used for recording of AATM Transfusion Nurses Training Programme via virtual platform by Dept. of Transfusion Medicine.
  - o Facility used for Webinar / Lectures for MBBS Students via Cisco Webex/Zoom/Google Meet (kem.edu)/Microsoft Team VC platform. For 250/180-UG, PG Students/participants, OTPT Students and Nursing students. {Dept.s of Anatomy, OBGY, Paediatrics, General Surgery, Microbiology, Clinical Pharmacology, Medicine}
  - o Virtual CME- Demystifying ECMO, Medicolegal aspects of IPC by HISMF.
  - o Virtual OSCE National Board of Examinations in Medical Sciences exam-DNB Exam for students and eye specialists, meet by Dept. of Ophthalmology.
  - o Centenary Meeting -AV & IT support by RRC technical staff.
  - o Facility used for conducting online CME - Endocrinology Symposium on various topics by Dept of Endocrinology.
  - o Facility used for conducting online Clinical meeting (Case Presentation) on various topics by Dept of Paediatric Surgery.

- o GSMC Gandhi Medical Fellowship meet with US, UK Batchmates and Parimal via virtual platform by Community Medicine.
- o Facility used for international meet - Pandemic ETHICS, ICMR network clinical trial meeting, International Non-proprietary Names Programme (INN)/HPS/MHP with World Health Organization Geneva, Switzerland by Dept of Clinical Pharmacology.
- FAIMER International Workshops, HISME, EC, NABH Meet via virtual platform.
- Digital medical lecture theatre/eClassroom (RRC KEMH) has been utilised to conduct live lectures (includes only those that were streamed/connected to other institutes), Foundation Course for 1<sup>st</sup> MBBS students, CMEs/Workshops, academic clinical program, RMO orientation program, etc. with live streaming, through virtual platform and some were shared with other 50 medical colleges across India.
- Under the Learning Management Information System (LMIS - Saksham), 20 lessons have been completed with respect to NMC competency based online courses of the National Medical College Network for medical students and are available @ <https://lmis.nihfw.ac.in/local/institute/institutedetail.php?id=19>
- Videos are indexed on NMCN Portal (Search by content, Dr's Name, Topic, College) and available using the link below: - Video Content <https://nmcn.in/index.php/vid/all>
- Depts. of Anatomy and Clinical Pharmacology have conducted live streaming sessions via YouTube for clinical programs.
- Digital Medical Library - Books, e-Resource, Print + Online Medical Journals & medical database subscriptions were made available for students, faculty, which are accessible in college campus on intranet via internet.
- Departments will get benefitted through the upgraded enhanced bandwidth of 1Gbps at Seth G. S. Medical College & KEM Hospital, Mumbai with high-speed NKN connectivity. This connectivity will further be used to facilitate access via Wi-Fi (GSMC/Eduroam) in Campus. (College Bldg., Old Bldg., Library, Gynac Bldg., CVTC Bldg., and New MSB Bldg.)
- RRC technical staff have supported - Live CME, Workshops/conferences, Streaming for Dept of General Surgery, Gastroenterology, GI, Obstetrics and Gynaecology to demonstrate live surgery/Live Medical Procedures from clinical areas as requested by department.
- The working of Internet and Intranet IT Committee has been continued.

#### Capacity building – Workshops attended

- For Strengthening Capacity of National Medical College Network to Design, Develop and Deliver Online Education to Medical Students by Ministry of Health and Family Welfare (MoHFW) and NRC - a workshop was held at AIIMS, New Delhi.
- NMCN (RRC) technical staff members attended the 20<sup>th</sup> International Conference of Telemedicine Society of India “TELEMEDICON-2024” at PGIMER Chandigarh.

### **Seth GS Medical College - Multidisciplinary Research Unit [GSMC-MRU]**

The Seth G S Medical College Multidisciplinary Research Unit (GSMC MRU) serves as the central research laboratory of the institution which is one of the requirements for the institute to be recognized by the National Medical Commission. It is located on the 1<sup>st</sup> & 2<sup>nd</sup> Floor of the Mortuary Building of the institute. It was established under the aegis of the Central Sector Scheme of the Department of Health Research (DHR), Government of India for the development of infrastructure for promotion of health research in different areas of non-communicable diseases. The unit received funding from DHR in September 2014 and started functioning from June 2016.

#### *Mandate:*

- To encourage and strengthen an environment of research in non-communicable diseases (NCD).
- To bridge the gap in the infrastructure which is inhibiting health research
- To improve the overall health status by creating evidence-based application of diagnostic procedures/processes.

The GSMC-MRU is headed by Dr. Sangeeta Ravat, Dean (G&K). Dr. Sandhya Kamat, Professor & Head, Department of Pharmacology & Therapeutics is the Nodal officer. The scientific and technical work at MRU is managed by 2 research scientists, 2 lab technicians and 1 lab assistant cum data entry operator. The overall management of the unit is done as per the recommendations of the Local advisory Committee (LAC), the Research Advisory Committee (RAC) and the Purchase committee (PC). The RAC has been formed as per ICMR requirement and has 7 external and 7 internal members from various specialties as recommended by ICMR.

List of Research Advisory Committee (RAC) Members				
No.	Status	Designation	Speciality required as per ICMR	Names & Professional Qualifications
1	External	Chairperson	Medical Person preferably a senior Professor level / Director level Person	Dr. Niteen Karnik Professor & HOD, Medicine, LTMGH & LTMMC, Mumbai
2	Internal	Member Secretary	Nodal Officer, GSMC MRU	Dr. Sandhya K. Kamat, Professor & HOD, Pharmacology & Therapeutics, GSMC & KEMH
3	External	Member	Nominee from DHR	Dr. Deepak Modi Scientist E, Dept. of Molecular & Cellular Biology, ICMR-NIRRH, Mumbai
4	External	Member	Principal/Dean of nearby Municipal Medical College and Professor / Head from concerned Municipal Medical College as Special invitees	Dr Shakuntala Prabhu, Medical Director & Professor, Dept of Pediatrics & Pediatric Cardiology, Bai Jerbai Wadia Hospital for Children, Mumbai
5	External	Member	Clinical / Academicians of expertise in NCDs- Gynecology	Dr. Anushree Patil Scientist E Dept. of Clinical Research, ICMR-NIRRH, Mumbai
6	Internal	Member	Medical Person preferably a senior Professor level / Director level Person	Dr. Gita Nataraj, Emeritus Professor, Microbiology, GSMC & KEMH
7	Internal	Member	Clinical / Academicians of expertise in NCDs- Endocrinology	Dr. Tushar Bandgar, Professor & HOD, Endocrinology, GSMC & KEMH
8	Internal	Member	Clinical / Academicians of expertise in NCDs- Medicine	Dr. Milind Nadkar, Professor & HOD, Medicine, GSMC & KEMH
9	Internal	Member	Clinical / Academicians of expertise in NCDs- Biochemistry	Dr. Anita Chalak, Professor & HOD, Biochemistry, GSMC & KEMH
10	Internal	Member	Clinical / Academicians of expertise in NCDs- Community Medicine	Dr. Vijaykumar Singh, Professor & HOD, Community Medicine, GSMC & KEMH
11	External	Member	Director, Medical education, and Health and Family welfare in MCGM/nominee	Dr. Neelam Kadam, Assistant Health Officer, Department of Public Health, F-South ward, BMC, Mumbai

The RAC plays a key role in, recommending project proposals for funding and/or using infrastructure facility of the unit. It offers recommendations for selection of equipment in order to promote and encourage quality multidisciplinary medical research in the Institution.

*Infrastructure:*

GSMC-MRU has four major labs, namely Molecular Biology lab, Biochemistry lab, Immunology Lab and Chromatography Lab and has state-of-art equipment installed. It has a total of 24 major equipment and 23 minor equipment. The major equipments are listed below:

No	Lab	Major Equipment	Investigations
1	Molecular Biology	Thermal Cycler	Performing PCR and other similar applications
		Real Time PCR System	Performing real time PCR
		Electrophoresis (AGE/PAGE)	Separation of proteins & nucleic acids
		Gel Documentation System	For visualisation of AGE/PAGE gels
		Spectrophotometer-Nanodrop with Lvis plate and microplate facility	Hormone/ biomarkers assays, nucleic acid detection etc
		Biosafety Cabinets	For safety while handling infectious/contaminated samples

No	Lab	Major Equipment	Investigations
		Ultracentrifuge	High speed centrifugation for separation macro/micro particles, organelles etc
		Non- Refrigerated Centrifuge	For separation of cells, suspensions, precipitates etc
		Refrigerated Centrifuges	
2	Biochemistry Lab	Automated Biochemistry analyser	Biochemistry profile from Serum, urine etc
		Hematology Analyzer	For hematological analysis with 3-part differential count
		Fume Hood	For safe handling of organic solvents, acids and other noxious reagents
		Biomedical Freezer (-30°C)	Storage of samples
		Ultra-Low Temp Freezer (-80°C)	
		Millipore Water Purification System	Generation of Type I and Type II water
3	Immunology Lab	ELISA Reader & Washer	Biomarker, hormone, cytokine assay etc
		Luminometer	
		Homogeniser-Bead Beater	Homogenisation of tissue samples for further use in various assays
4	Chromatography Lab	Gas chromatography- Mass Spectrometry (GC-MS)	Analysis of volatile and semi volatile compounds (e.g. in metabolomics)
		High Performance Liquid Chromatography (HPLC)	Metabolomics study, Therapeutic drug Monitoring etc

#### Achievements:

1. Total No. of Research projects funded by MRU : 20
2. Ongoing Projects : 12
3. Completed Projects : 08
4. Publications : 03
5. Presentations : 10
6. Awards : 03

GSMC MRU also allows the faculty and the postgraduate students of institution to use its infrastructural facilities for the research projects which have institutional ethics committee approval and about 44 research projects have been completed so far and 13 are ongoing.

#### Future Plans /Vision:

1. Motivate and encourage more disciplines of the institution to undertake research
2. Promote inter-institutional collaborative research

### Scholarship for GSMC & KEM Undergraduate Students

This year various scholarships were awarded to 1<sup>st</sup> MBBS students of Seth G. S. Medical College and K.E.M. Hospital.

1. Korgoankar Scholarship was awarded to Mr. Hritik Pandey for the year 2023-24.
2. Gosumec Alumini Foundation U.S.A. Scholarship 2023 was awarded to the following 1<sup>st</sup> MBBS students:  
Sadiya Taswin Shaikh, Farhat Parveen R. Haque, Aditya Vijay Kolode, Sourabh S. Gaikwad, Krushnakant Shashikant Patil, Shivcharan M. Hokarne, Siddhiraj Ghadge, Sanket S. Pawar, Akash D. Suryavanshi, Khushwant S. Jadhav, Kapil Jaybhaye Pandhari, Sushant B. Basapure, Shriram P. Fulzalke and Shravan A. Giri
3. Collaborative Scholarship for Paramedical Student By GOSUMAC FOUNDATION US and INDIAN ALUMINI was awarded to the following students:  
Yash Ravindra Anchale, Diksha Vilas Khawas, Sneha Navnath Dhindale, Kazmi Nisha Fatima, Rupali Prakash Pawar, Pranali Dhondu Rane, Sumedha Sonu Kamble, Sumedha Sonu Kamble and Sangeetha Muthukumar

### Staff Society

Seth G.S.Medical College & KEM Hospital, Staff Society is registered under Bombay Public Trust Act 1950 on 10.3.93. It is a nonprofit organization with aims and objectives as under

- A. Dissemination of research activities and advancement of medical education to practicing doctors, staff, students and general public in order to improve delivery of health care to the patients.
- B. To promote sense of fraternity among the members by arranging Social function.



For attainment of the above aim and objectives the association may

- Hold periodical meetings to discuss the scientific and clinical matters from the institution and promote healthy exchange of ideas.
- Publish scientific material including Journal of Post –Graduate Medicine
- Discuss problems pertaining to Medical Ethics and Medical Education.
- Co-operate with other Medical Societies, associations of KEM Hospital.
- Raise funds through contribution, donations, advertisements, functions or any other way from members donors / others, as decided by the Executive Committee.
- To coordinate all the orations of Seth GSMC &KEMH with respective departments and organization.

Do all things as are incidental or conducive to the attainments of the above objectives or any other.

New Executive Committee office Bearers and Members for the year 2024-2026.

Dean	Dr. Sangeeta Ravat
Vice President	Dr. Harish Pathak
Med. Superintendent	Dr. Mohan Desai
Editor (JPGM)	Dr. Milind Tullu
Secretary	Dr. Roshan Wade
Treasurer	Dr. Charan Lanjewar
Joint Secretary	Dr. Deepika Sadawarte

**Members:** Dr. Sikandarbanu Yerolavi , Dr. Hitesh Modak , Dr. Ujwal Rathod , Dr. Urwashi Parmar, Dr. Ravindra Deokar, Dr. Kavita Joshi, Dr. Siddhi Chikhalkar, Dr. Aditi Phulpagar, Dr. Shilpshree Palsule, Dr. Milind Nadkar, Dr. Shriraj Talwadekar, Dr. Shraddha More , Dr. Tushar Bandgar, Dr. Bhushan Thakur, Dr. Anamika Agarwal, Dr. Pallavi Surase, Dr. Shrikanta Oak.

Executive Committee Election:

Election for the department of OT & P.T. Member of Staff Society Executive Committee was held on Monday 30<sup>th</sup> September 2024 in “Pharmacology and Therapeutics Board Room” from 09.00am to 4.00pm. The entire election process was under supervision of two election officers (Dr. Mohan Desai and Dr. Archana Sonawale) appointed by the President, staff Society. Total 71 staff members casted the votes out of 260 members.

The following are the results of the election:

*Executive Committee Member:-*

Sr. No.	Name	Rank	Elected Member
1	Dr. Shipshree Palsule	I	Dr. Shilpshree Palsule, Dept. of Occupational Therapy.
2	Dr. Archana Gore	II	

*JPGM Election*

Election for the post of Editor (1), Associate Editor (2), Assistant Editor (3) of Journal of Postgraduate Medicine (JPGM) of Staff Society was held on Tuesday 26<sup>th</sup> Maarch 2024 in “Pharmacology and Therapeutics,” from 10.00am to 4.00pm. The entire election process was under supervision of one election officers (Dr. Harish Pathak) appointed by the President, staff Society.

The Editor Post was elected unopposed. **Dr. Milind Tullu, Professor (Additional) Dept. of Pediatric is elected as Editor of JPGM.**

Total 194 staff members casted the votes out of 267 members. The 3 ballot paper was invalid.

The following are the results of the election:

Associate Editor (2 post)

Sr. No.	Name	Rank	Elected Member
1	Dr. Charan Lanjewar	I	Dr. Charan Lanjewar, Dept. of Cardiology, Professor& Unit Head. Dr. Sharmila Jalgaonkar, Dept. of Pharmacology & Therapeutics, Professor (Additional)
2	Dr. Sharmila Jalgaonkar	II	
3	Dr. Ravindra Deokar	III	
4	Dr. Swati Paranjape	IV	

*Assistant Editor (3 Post)*

Sr. No.	Name	Rank	Elected Member
1	Dr. Mandar Koranne	I	<b>Dr. Mandar Koranne</b> , Dept of General Surgery, Assistant Professor. <b>Dr. Shruti Bhide</b> , Dept. of Pharmacology & Therapeutics, Associate Professor. <b>Dr. UjwalRathod</b> , Dept of Pathology, Professor (Additional)
2	Dr. Shruti Bhide	II	
3	Dr. Ujwal Rathod	III	
4	Dr. Bhaskar Krishnamurthy	IV	
5	Dr. Urvashi Parmar	V	

*Monthly Research /Clinical Meetings: 3*

- Thursday 18<sup>th</sup> July 2024 at 1.00pm in CVTS Auditorium: Research/ Clinical Presentation by the Department of ENT and GI-Surgery.
- Thursday 10<sup>th</sup> October 2024 at 01.00pm in CVTS Auditorium: Research/ Clinical Presentation by the department of Gastroenterology and Ophthalmology.
- Friday 20<sup>th</sup> December 2024 at 02.00pm in CVTS Auditorium: Research /Clinical Presentation by the Department of CVTS and Anaesthesiology.

*Guidelines for Research / Clinical Presentation:*

- Concern Head of Department (HOD) must be program (in case absent the meeting will be cancelled).
- The HOD should do the introduction of all faculty & Department infrastructure.
- Highlighting extraordinary clinical work & project done at Department.
- Highlighting Vision for Next 10 years.
- Presentation should be done by senior Prof/ Asso. Prof.
- Centenary program planning for that concern department.
- No didactic or theory lecturers.

*Executive Committee Meetings: 9*

(08.01.2024, 23.01.2024, 20.02.2024, 28.03.2024, 04.07.2024, 10.09.2024, 14.10.2024, 28.11.2024, 10.12.2024)

**Annual dinner on Foundation Day: Wednesday, 24<sup>th</sup> January 2024:**

- Contributory Annual Dinner was organized by the Staff Society with entrainment programmed followed by Games, Orchestra and dinner in College lawn.

*Social Media & Website:*

The Website Maintenance and total annual cost of handling social media accounts has expired and requires to be renewed. Our renewal quotation submitted in this office by Mediconsult (Annual Maintenance of website – 1<sup>st</sup> August 2024 to 31<sup>st</sup> January 2026 @ Rs. 1,60,000/- + 18% GST. And Social Media Management of YouTube and Linkdin accounts – 1<sup>st</sup> August 2024 to 31<sup>st</sup> January 2026 @ Rs. 2,75,000/- + 18% GST, **Total Charges of Rs. 4,35,000/- + 18% GST= Rs. 5,13,300/-**) the payment was decided in two installment as 40% and after 6 months 60%. It was also decided to share these expenses by 5 common societies viz. Staff Society, Research Society, DDE, GAA & DJST. 20% each all respective societies.

Oration 05<sup>th</sup> June 2024: Dr. S R Kamat Oration delivered by Dr. Randeep Guleria on “Air Pollution and One Health”

Annual General Body Meeting was held on Thursday 22<sup>nd</sup> August 2024 at 02.00pm in Theatre 2.

Mementoes: Staff Society has mementoes like Album with Mugs for sale.

**Telemedicine**

*Chairperson:* Dr. Sangeeta Ravat (Dean, KEM Hospital)

*Members:*

1. Dr. Milind Tullu, Professor, Pediatrics Department.
2. Dr. Dnyaneshwar Kurle, Additional Professor, Pharmacology Department.
3. Dr. Tushar Rathod, Additional Professor, Orthopedic Department.

The day-to-day working of the Center is carried out by Mr. Sandeep Mehendale, the Facility Manager.

The Maharashtra Telemedicine Project was initiated as a collaborative project of the Indian Space Research Organization (ISRO), Govt. of Maharashtra (GoM), and Brihanmumbai Municipal Corporation. The project is one of the major initiatives under the National Health Mission (NHM). The KEM Hospital Telemedicine Center has been connected with Telemedicine Centers at Aheri, Alibaug, Chandrapur, Karad, Kamathe, Nandurbar, Navapur, Ratnagiri, Sindhudurg, Sawantwadi, Satara, Shahapur and Thane through a satellite link & Broadband connection. The KEM Telemedicine Center is working as a

Speciality Center and its doctors are providing expert advice (all specialties and super-specialities) to patients and doctors from these peripheral centers.

In the period January 2024 - November 2024 a total of 8165 patients have derived the benefit of expert advice from specialists of KEM Hospital. The disciplines whose opinions have been sought include anesthesiology, ayurvedic medicine, cardiology, cardio-thoracic surgery, chest medicine, dermatology, dentistry, endocrinology, gastro-enterology, gastro-enterology surgery, general medicine, general surgery, gynecology and obstetrics, hematology, neonatology, neurology, neurosurgery, ophthalmology, orthopedics, otorhinolaryngology, pediatric surgery, pediatrics, plastic surgery, and radiology.

Through this Telemedicine Center, KEM Hospital and Municipal Corporation of Greater Mumbai are providing their contribution for promotion of health of Maharashtra's rural populace. Many departments also use the KEM Telemedicine Centre facilities for scientific lectures, academic communications, and training programs.

The details of the quantum of consultations provided at the KEM Telemedicine Center is given in the following Table.

**KEM Telemedicine Center District-wise details in January 2024 -November 2024**

Sr. No	District Telemedicine Center Name	Total
1	SDH Aheri	228
2	DH Ahmednagar	37
3	DH Alibag	240
4	SDH Ambad	202
5	DH Amravti	1
6	DH Chandrapur	25
7	SDH Chopda	131
8	SDH Dharni	135
9	RH Aashti (Gadchiroli)	78
10	RH Chamorshi (Gadchiroli)	51
11	RH Dhanora (Gadchiroli)	10
12	SDH Kurkheda (Gadchiroli)	133
13	RH Mulchera (Gadchiroli)	15
14	RH Sironcha (Gadchiroli)	66
15	SDH Gadhinglaj	4
16	SDH Ganghakhed	139
17	DH Gondia	145
18	DH Hingoli	1
19	SDH Islampur	397
20	DH Jalgaon	107
21	SDH Kalvan	511
22	SDH Kamthe	447
23	SDH Karad	398
24	SDH Karanja	2
25	DH Nadurbar	576
26	DH Nashik	8
27	SDH Navapur	552
28	DH Osmanabad	18
29	DH Parbhani	14
30	DH Pune	15
31	DH Ratnagiri	467
32	SDH Sakoli	436
33	RH Sangamner	328
34	DH Satara	307
35	SDH Sawantwadi	378
36	SDH Shahapur	490
37	SDH Shegaon	294

Sr. No	District Telemedicine Center Name	Total
38	DH Sindhudurg	3
39	SDH Tiroda	199
40	SDH Udgir	241
41	SDH Umarga	48
42	SDH Vaijapur	77
43	DH Wardha	4
44	SDH Warora	207
	Total	8165

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# Support Services

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# Support Services

## Diet

### A. Clinical Dietetic Service

*Mrs. Safala Mahadik (CVTC Dietitian)*

- o Patient's nutritional assessment, diet planning and counselling are done on daily basis for both indoor and outdoor patients of Chest medicine and CVTC departments
- o Daily ICU rounds - LICU (ward 31), IRCU (ward 32) and ICCU (ward 35)
- o Oral diet or enteral or parenteral nutrition is advised based on assessment
- o Diet planning and counselling for new cases of inborn errors of metabolism referred from ward or Paediatric Research Laboratory (PRL) along with regular follow ups of old cases
- o **Total numbers of patients seen annually are approximately 20,000.**
- o Besides patient service, give guest lecture to post graduate students, nursing staff etc.

*Mrs. Neha Pansare (Diet Dept.)*

*Ms. Shruthi Shettigar (Diet Dept.)*

- o Nutritional Assessment, Diet planning and counselling of both indoor and outdoor patients referred from medical, surgical, pediatric, orthopedic and other specialty units.
- o Ketogenic diets given as per references.
- o Daily rounds at SICU, references from ICUs viz. AICU, IPCU, etc. are also done.
- o Patients with wide spectrum of diseases like Hypertension, Diabetes, Gastrointestinal, Cardiovascular, Renal, Burns, Cancer, PEM, Inborn error, etc. are assessed and accordingly Oral diet, Enteral Nutrition or Parenteral Nutrition is advised
- o *Total numbers of patients seen annually are approximately 15000.*
- o Besides above mentioned clinical aspect, kitchen dept. is also being managed-
- o Quality checking of perishable food items (vegetables, fruits, grocery, etc) on daily basis
- o Quality checking of non-perishable food items (viz. dried pulses and dals, spices, etc.) at each delivery as well as intermittently
- o Supervising food preparation, distribution and food tasting on daily basis
- o Ensuring maintenance and hygiene of kitchen, kitchen equipment and kitchen staff
- o Miscellaneous works viz. attending to various problems encountered in kitchen on daily basis
- o Attending Diet Sub Committee meetings and other activities
- o Conducting session on nutrition and food service management for Nursing and Medical Professionals

*Ms. Deepa Nachankar (Endocrine Dietitian)*

- o Attending both inpatients and outpatients of Endocrine department- Nutritional assessment, diet planning, counselling, etc.
- o Attending patients admitted in MICU (daily ward round)
- o Oral diet or enteral or parenteral nutrition is advised based on assessment
- o Attending patients referred from School clinic

### B. Academic role

- o Training of post-graduate dietetics interns from various institutions across India that includes both college and Registered Dietitian internship
- o Guest lecture for nutrition post graduate students as and when required.
- o Conducting nutrition education program for mid meal planning/ Poshak aahar for BMC schools and other rural schools and hostels under Maharashtra state

### C. Kitchen Service

- o Our in-house kitchen caters therapeutic food to around 1800 IPD patients on daily basis.
- o On important occasions like Foundation day, Independence day, Diwali, etc. all IPD patients are served special dish.

### D. Special Achievement

- o **Nutritional management of various rare disorders like inborn errors of metabolism and ketogenic diets are only treated by KEM Dieticians only.**

- o Delivered talks and shared expertise in various awareness programs, CME, conferences etc. within our hospital and at national and international level.

## Library

### *Education:*

#### *Highlights and Achievements:*

- Seth G.S. Medical College, Library Subscribed 136 journals. The online access to all journals was made available on Intranet.
- Subscribed following 5 databases, online access to all Databases is available on Intranet.
  - o Clinical key
  - o Proquest Health & Medical Complete
  - o Ovid MD
  - o Thieme MedOne Education
  - o Clinical Key Student
- ‘Clinical key’ from Elsevier Co. All the journals from Elsevier Co. including ‘clinics on all subjects’ will be available online & more than 1000 e-journals and more than 1000 e-books are available online through this database.
- More than 10000 e-books and more than 3000 e-journals and Dissertation & Thesis (1637- current) are available.
- Online access to 149 e-books and 398 e-journals available on “Ovid MD” medical database.
- 226 eBooks are available in Thieme MedOne Education.
- Clinical Key student is an interactive education platform that supports students and faculty by enhancing the learning experience with tools tailored to develop and assess the medical knowledge aspiring professionals. It includes 350 ebooks.
- New chairs has been received for students and faculty members at ground floor library.
- Air conditioned plant has been replaced/renewed at ground floor and first floor library.

### *Holdings:*

- Library journals’ holdings are available on the KEM website on Intranet.
- Updated Library books’ list is available on “islim” on Intranet.
- Links are given to all online resources of the Library on Intranet webpage, under the broad heading, ‘Library Resources’.
- MyLoft (My library on fingertips) is a single app that allows users to access, organize, share and read offline all of e-content, anytime, anywhere.

### *Donation and Grants:*

- We have received the membership of National Medical Library’s ERMED Consortia. This has enabled to access 229 online journals and “Access Medicine” and “BMJ Case Reports” medical databases.
- Free Trial access was given to following antiplagiarism software.
  - o Copy Leaks — 05th Sep.2024

### *Looking Ahead: Education:*

- To subscribe more databases and planning to subscribe more e- resources, so that Doctors will get relevant latest information immediately at their fingertips. Digitalization of old and new reading materials will facilitate the availability of library resources electronically.
- We have arranged following Webinars/user training programs for institutional members.
  - o BMJ Resources- 07/10/2024
  - o BMJ Best Practice,
  - o BMJ Learning and Research to Publication
  - o B. Oxford University Press (Research with impact) – 03/07/2024
  - o C. My Loft training – 10th and 11th Oct.2024
  - o D. Author workshop. (Thieme Publishers) – 14/11/2024
  - o E. Access Medicine – 25/11/2024
  - o F. Thieme MedOne Education – 28/11/2024

### *Equipment:*

- Proposal put up for Compactors/ Steel trolley type racks i.e. compactors for keeping bound volumes. It saves the space in the Library and more space is available for reading.
- Proposal put up for purchase of tables and steel chairs and for students.



### *Library Committee:*

The Library Committee is an advisory committee and following members are present in it.

- Dr. Sangeeta Ravat - Dean
- Dr. Ravindra Deokar - Incharge
- Dr. Nithya Gogtay –Member
- Dr. Kavita Joshi –Member
- Dr. Yogesh Pawade -Member
- Dr. Swati Paranjpe –Member
- Dr.Amit Bhondve – Member
- Dr. Tushar Rathod – Member
- Mrs. M. S. Khochikar - Secretary

The Library Committee meets periodically to take policy decisions. It helps the Chief Medical Librarian for deciding the purchase of Medical Journals, Books, Medical databases & other Library material. Library Committee members help the library to introduce new technologies such as Intranet, which help readers to get better services. They try to get donations/ grants for Library. Overall the Library Committee looks after the welfare of Library.

### *Contact information: Staff*

Designation	Names	Contact No.	Email
Ch.Med.Librarian	M.S.Khochikar	9322155296	infolibrary@kem.edu
• Lib.Asst.	Four	7072	
• Executive assistant	One	7072	
• Servant	Five	7120	

## **Nursing**

There are many services provided in the hospital for which many employees are involved in patient care, in which nursing plays a vital role. It is stated that **'Nursing is a backbone to the hospital'** and it is equally important for recovery of patient & wellness of patients. therefore, nursing services are provided round the clock in hospital, out patient and community at large. Nurses carry out different roles. while providing patient care as health team member and since last year it has added new roles, to name a few:

### *Managerial Role*

- To indent inventory from stores.
- To look after sterilization, disinfection & maintaining cleanliness of ward.
- To supervise the staff & other members of health team.
- Co-ordinating with doctors & other members of health team for patient care & during surgery.
- Maintaining records to avoid medico legal hazards.
- Teaching nursing students during clinical postings.

### *Patient Care:*

- Assessment, continuous observation & providing bedside care.
- To help in early recovery & to prevent cross infection by providing suitable environment.

### *Special Activities :*

- Sister Incharge & Staff nurses of CVTC OT had been strong pillar to the surgeons during the first heart transplant held in K.E.M Hospital.
- Throughout year OT specialised nurses assist for long hours for transplant surgery like liver transplant, kidney transplant & reconstructive surgery.
- Sister Incharges took active participation in setting of ICU such as AICU, HDU, Spine ICU, Urology ICU.
- To accelerate the **NABH** process of accreditation, Matron Madam appointed team of Sr Tutors as NABH Co-ordinators. They carried out following activities:
  - o Basic Life Support training is started for all nursing by Anaesthesia dept under the guidance of Matron Madam.
  - o As part of in-service education lectures arranged for nurses on pain management.
  - o To upgrade nursing care provided to patient & for documentation Nursing Assessment formats explanation lectures are taken by NABH team before its implementation in ward.
  - o Nursing Manual is prepared according to NABH guideline for standardization of procedures.

- As nurses have to deal with patients in stressful environment, to make feel rejuvenating different cultural activities are performed during the month of January by Nurses Welfare Society team.
- Pinning ceremony for newly appointed Sr Incharge was done by Matron madam & Asst Matron.
- A warm send off was planned for all retiring members by Nurses Welfare Society team.

#### *Achievements:*

Many nurses had achieved graduation, post-graduation & micro specialization of nursing & actively working in the specialized particular department.

### **Pharmacy**

Mr. Prakash G. Mahale - Supdt. of Pharmacy

PHARMACY / C.S.S.D.

Contact No. 7017

- The Pharmacy Dept. performs Steam sterilization & E.T.O. gas sterilization of materials received from wards and O.T.s.
- Preparation of E.D.T.A., Fluoride, Phenol bulbs and sterile empty bulbs required for collection of blood & urine samples for the O.P.D. and indoor patients.
- Supply of sterile distilled water & distilled water to wards and laboratories and various B.M.C. Garages in Mumbai.
- Orientation given about functioning of C.S.S.D., Pharmacy, functioning of stores, various dispensing units, preparation of various mixtures, ointments, lotions and distillation unit to students of Diploma and Degree College of Pharmacy & to post graduate Hospital Administration students on their hospital visit.

#### *Activities*

- Mr. Prakash G. Mahale Supdt. of Pharmacy and Mr. Sheetal V. Chandan Sr.Pharmacist are members of the Medicine Monitoring Committee.
- Mr. Prakash G. Mahale member of Hospital Infection Control Committee
- Mr. Sheetal Chandan member of PVPI at KEM Center.
- Mr. Ravindra Pataskar, Head Pharmacist (I/C), Mr. Sheetal Chandan and Miss Harsha Sharma (Pharmacist) are working for NABH activities.

#### *Staff Working at Pharmacy Department*

- Supdt. of Pharmacy
- Sr. Pharmacists
- Laboratory Technicians
- Laboratory Attendants

#### *Dispensary*

Contact No. 7407

- Mr. Ravindra Pataskar (I/c) Head Pharmacist
- Most of the medicines are dispensed through 5 units i.e. Dispensary no.31, CVTC Dispensary, Orthopaedic Dispensary and Dispensary no.6. (1 Main unit is working round the clock) for the O.P.D. patients and various preparation as per K.E.M. formulary like Glycerine Acriflavin, Glycerine Magsulf, M. S. liniment, Acne Lotion and Eusol Soln. for indoor patients from Dispensary.
- Dispensing of P .D. fluids for AKD patients which are being carried out at home as advised by the Nephrology Department have been occurred for the first time in Public Hospital.
- Distribution of Insulin at OPD diabetics patients given as per guidelines by Endocrinology Department.
- All the Dispensaries are governed by Supdt. of Pharmacy Mr. Prakash G. Mahale and Head Pharmacist, Mr. Ravindra Pataskar ( I/c )
- Senior Pharmacists: 5
- Pharmacists: 35

#### *Medical stores*

Contact No. 7416

Administrative Officer – Mr. Changdev Sarukhte, Head Clerk – Mrs. Sonali Khade

- The medicines procured by the Medical and General Stores are being approved by Pharmacy Dept.
- The Medical Stores is governed by the Pharmacy Dept. Four Pharmacists are posted in Medical Stores.

- In the stores the medicines are procured, stored and distributed to various wards, Dept., Operation theatres as per the requirement.

## Social Services

### *Achievement:*

- Dr. Sadhana Bhatkhande, Head of Department received Nana Palkar Smruti Samiti Sevavarti Purskar for the year 2024.
- Total Number of Patients: - 33,428 (Thirty - three thousand, Four Hundred and Twenty-eight)
- Total Donation: - ₹ 13,62,20,419/- (Rupees Thirteen Crore, Sixty-two Lakh, Twenty thousand, Four Hundred and Nineteen only)
- Community Development Officers are engaged in various patient care activities such as individual counselling, Family counselling, Assessment of Municipal Charges, Total No. of discharge Assessment of patients, Medico Legal cases, Group work, Medical and Material Aid, Rehabilitation (Referrals to other agencies) & Follow up of patients with their respective departments.
- G.T. Sheth Trust provided finance for medicines to all department patients in emergency situation from March 2023 onwards.
- Aadi Jin Yuvak Charitable Trust and many other trusts as always helped for medicines and equipment.
- Cochlear Implant Surgeries donation arranged by Community Development Officer.
- Social Service Department – CSR Wing connected with several public sector units, private corporates. It was successful in generating CSR funding.
- Counselling, donations & rehabilitation of patients. Total no. of patients counselled by CDO's – 33,428 /- (Thirty - three thousands, Four Hundred and Twenty-eight)
- In collaboration with NGO Nareindas Morabai Budhrani Trust counselling services provided by trained Psychologists. Financial support for Haematology and Chemotherapy patients and Breast OPD cancer patients. They have also provided maximum support for cardiac surgery to 0 – 12 years old children who can not avail MJPJAY benefit.

### *Patient Care:*

- Awareness cum Motivational session for Nephrology.
- World Alzheimer Day Program for Senior Citizens.
- Session on female foeticide for Somaiya college student.
- In service training programmes were arranged on different social issues for Community Development Officers and other staff such as networking with NGOs, women and child welfare, stress management for health care providers.
- Arranged for patient's diet and nutrition aid by providing them fruits, dry fruits breakfast, Soya milk and lunch, nutrition powers for paediatrics, lunch coupons for Thalassemia outdoor patients.
- World No Tobacco Day
- World De-addiction Day.
- World Mental Health Day
- International Divyag Day
- International Women Day
- Thalasmia Day Care Ward activities.
- World Schizophrenia Awareness Day.
- Awareness program regarding "Urja" NGO conducted workshop for Homeless women between 18 yrs to 35 yrs.

### *Community Care:*

- Guidance and field work orientation provided to post graduate students of different social work colleges.

### *In Limelight:*

- On 31.01.2023, as a part of in service training session on orthopaedic disorders was conducted by Dr. Mohan Desai, HoD – Orthopedic and Medical Superintendent for Community Development Officers.
- Donor felicitation program on 23.02.2023 at M.L.T Hall Chief Guest, Smt. Medha Prabhudesai and program was conducted in presence of Hon. Dean, Dr. Sangeeta Rawat.

Awareness Program World Stroke Day – 2023 for Army Officers and their families on 31.10.2023

### *Donations:*

- Donation of activity books, crayons and therapeutic aid for Occupational Therapy Department.
- Distributed 100 plastic plates for the ward No. 11.

- Fruit Distribution in Orthopaedic Department.
- Donation of television set was 50” which is wall mounted for our indoor patient of plastic surgery department – Burns Unit.
- Donation of 40 Plastic Stool for Ward no. 31, CVTS Department.
- Donation of stools and chairs for ENT Operation Theatre, KEM hospital.
- Donation of wheelchairs for EMS Department, KEM hospital.
- High Cost Antimaligancy Drugs for Cancer Patients.
- Total patient specific donations collected by CDO's for patients surgeries and medications ₹ 13,62,20,419/- (Rupees Thirteen Crore, Sixty-two Lakh, Twenty thousands , Four Hundred and Nineteen only)
- Donation of 700 Blankets for our KEM Hospital admitted patient.
- Donation of 50 litres steel water container for ward 19.

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